		• Convert UX/UI designs and business requirements into secure components. • Build interfaces for conversational AI, knowledge assistants, docu agentic workflows. • Implement robust validation, error handling, loading states, audit-co flows. • Ensure accessibility, localisation, cross-browser support, responsive • Optimise rendering, load time, caching, network usa **OR** **Integration (EIS/MuleSoft)** • Develops end-to-end application components and integrates AI ser data platforms into business solutions. **KRAs:** **Front end** • Build secure, responsive and user-friendly interfaces for enterpris • Deliver intuitive user experiences across AI portals and conversa • Ensure adherence to enterprise UI standards, accessibility and d • Support continuous improvement and refinement of AI applicatio **OR** **Integration (EIS/MuleSoft)** • Design enterprise-grade integration solutions for the AI Platform. • Enable secure, compliant integration between AI services and co • Build reusable APIs and modular integration components for sca • Ensure reliable, high-performance communication across enterpr

Remarks: Actual KRAs shall be assigned on joining. Roles / Responsibilities / Job Profile ment Responsibilities / Activities / Key Interactions/ Jobs in addition to the above mentioned may be ass depending upon the requirement.

The candidates selected for Regular posts will be governed by the Service Rules applicable to the e

(D) REMUNERATION /SUGGESTED PLACE OF POSTING:

Sl. No.	Name of Post	Remuneration
1.	Chief Manager (Data Scientist)	**Basic: 102300-2980/4-114220-3360/2-120940** (The official will be eligible for DA, HRA, CCA, PF, Contribu Pension Fund i.e., NPS, LFC, Medical Facility, leave etc. as force from time to time and Salary and perks as per Bank's structure)
2.	Manager (Data Scientist)	**Basic: 85920-2680/5-99320-2980/2-105280** (The official will be eligible for DA, HRA, CCA, PF, Contribu Fund i.e., NPS, LFC, Medical Facility, leave etc. as per rules time to time and Salary and perks as per Bank's salary struc
3.	Deputy Manager (Data Scientist)	**Basic: 64820-2340/1-67160-2680/10-93960** (The official will be eligible for DA, HRA, CCA, PF, Contribu

SELECTION FOR THE POSTS AT SL. NO. 2 AND 3 (ONLINE WRITTEN TEST AND INTERVIEW)

{However, the Bank reserves the right to dispense with the Written Examination and adopt Shortlisting and Interview as the selec

- **Online written Test:** The online written test will be conducted tentatively in the month of **DECEMBER** of test will be uploaded on Bank's website and also advised to the candidates through SMS and e download the call letters. The test may be held (Tentatively) at Guwahati, Silchar, Patna, Mohali, Rai Ghaziabad, Greater Noida, Gurugram, Mapusa, Ahmedabad/Gandhinagar, Vadodara/Anand, Amba Shimla, Bilaspur (HP), Jamshedpur, Ranchi, Bengaluru, Hubli/Dharwad, Mangalore, Ernakulam, Mumbai/ Thane/Navi Mumbai/MMR, Nagpur, Pune, Imphal, Shillong, Aizawl, Kohima, Bhubaneshwar, Chennai, Madurai, Hyderabad. Agartala, Lucknow, Kolkata, Siliguri centres.
- Candidate should choose the name of the centre where he/she desires to appear in the examination. N centre will be entertained. The Bank, however, reserves the right to add or delete any centre and allot the one he/she has opted for.
- **Pattern for Online Written Test:**

Test		No. of Questions	Marks
General Aptitude	Test of Reasoning	15	15*
	Quantitative Aptitude	15	15*
	English language	20	20*
Professional Knowledge	AI/ML domain Knowledge	60	100

* Qualifying in nature and marks scored will not be reckoned for arriving at the Merit.

Note: There will be no negative marks for wrong answers in Online Written Test.

- Except Professional Knowledge (PK) paper, other papers will be qualifying in nature. Candidates mu these papers. The minimum qualifying marks will be decided by the Bank or may be waived at the dis
- To be eligible for being shortlisted for the Interview, the candidates have to score equal to or above th for the Professional Knowledge (PK) paper, besides scoring minimum qualifying marks in other pape
- Selection in Online Written Examination will be made from the Top ranked candidates in descending o more than one candidate scores the cut-off marks (common marks at cut-off point), such candidate descending order in Merit list.
- Interview: Category-wise adequate number of candidates as decided by the Bank will be called for I Online Written Test.
- **Weightage Pattern**: Written Test – 70%, Interview – 30%. Final Merit list would be prepared base Online Written Test and Interview with 70:30 weightage respectively.
- **Tentative pattern / syllabus for online written exam for Professional Knowledge paper:**

PATTERN: MANAGER (DATA SCIENTIST)

SL	Subject	Number of Ques
i.	Programming, Data Structures & Machine Learning Fundamentals	10

F. WAIT LIST: Wait list will be maintained post-wise and category-wise for all posts. Candidates will be
joining, resignation, or termination due to unsatisfactory performance/breach of conduct rules, subjec
qualifying marks as may be stipulated by the Bank for selection. This wait list will be valid for a period o
of final result or till the date of issuance of a fresh advertisement for the vacancy for the same post, whic

Indicative Syllabus

(Syllabus mentioned below is only indicative and not exhaustive. Syllabus prescribed is for candi
Examination may contain questions beyond the purview of the syllabus as dee

(A) MANAGER (DATA SCIENTIST)

1. Programming, Data Structures & Machine Learning Fundamentals

– Programming and Data Structures:

- Python basics, Object Oriented Programming Concepts (Abstraction, Encapsulation, Inheritance,
- Arrays, Linked List, Stacks, Queues, Trees, Heaps, Hashing and Recursion
- Searching and Sorting Algorithms along with their Space-Time Complexities

– Statistics and Machine Learning:

- Basic Probability and Statistics, Hypothesis Testing
- Supervised, Unsupervised and Reinforcement Learning; Regression, Classification, Clustering
- Overfitting, Bias-Variance, Feature Engineering, Evaluation Metrics (Accuracy, Precision, Recall,
- Neural Networks, CNN, RNN, LSTM and Deep Learning Frameworks (PyTorch, TensorFlow)

2. Generative AI, LLMs, RAG & Agentic AI

– Generative AI and LLMs:

- Transformer Architecture, Attention, Tokenization and Embeddings
- Pre-training, Fine-tuning (LoRA, QLoRA), RLHF, Quantization
- Prompt Engineering (Zero-shot, Few-shot, Chain-of-Thought), Hallucination

– RAG and Agentic AI:

- Retrieval-Augmented Generation: Chunking, Vector Databases, Similarity Search
- AI Agents: Planning, Memory, Tool Calling, Multi-agent Systems, MCP
- Frameworks like LangChain, LangGraph, LlamaIndex (basic awareness)

– Application Development:

- HTTP/HTTPS, REST APIs (get, post, put, delete), JSON
- Version control systems like Git; Monolith vs Microservice architecture

3. MLOps, LLMOps & DevSecOps

– MLOps and LLMOps:

- ML Lifecycle, Experiment Tracking, Model Registry, Feature Store (MLflow and similar tools)
- Pipeline Orchestration, Model Deployment (Batch, Real-time), Canary and Blue-Green Deploy
- Model Monitoring: Data Drift, Concept Drift, Performance Decay, Retraining
- LLMOps: Prompt Versioning, Model Serving, Latency and Cost Management, Guardrails

– DevOps and DevSecOps:

- Continuous Integration and Continuous Delivery (CI/CD), Git workflows, Jenkins, GitHub Actio
- Docker, Kubernetes, Infrastructure as Code (Terraform, Ansible)
- Shift-left Security: SAST, DAST, Dependency Scanning, Secrets Management, Container Sec

4. AI Security, Governance & Responsible AI

6. Cloud, Infrastructure, Databases, Networking & Security Basics

– Cloud:

- Characteristics of Cloud Computing; Types of Cloud Services (SAAS, PAAS, IAAS); Public vs
- Virtualization, Virtual Machines vs Containers, Type 1 vs Type 2 Hypervisor

– Databases:

- Relational DBMS, ER Diagram, Transactions (ACID Properties), Keys, Indexes, Normalization
- DDL, DML and TCL commands; Basic SQL Functions; Views, Triggers and Cursors; NoSQL a

– Operating Systems and Networking:

- Processes, Threads, Deadlock, Memory Management, CPU Scheduling Algorithms; Windows
- OSI and TCP/IP Model, TCP, UDP, IPv4 vs IPv6, DNS, HTTP, Types of Networks

– Security:

- Web application attacks: Cross-Site Scripting (XSS), Cross-Site Request Forgery (CSRF), Inje Attack; OWASP 10
- Symmetric and Asymmetric Keys, Public-Private Key Encryption, Digital Signatures
- Firewall, Access Control, Remote Access VPN; Backup and Recovery practices

(B) DEPUTY MANAGER (DATA SCIENTIST)

1. Programming, Data Science & Machine Learning Fundamentals

- **Programming Fundamentals:**
  - Programming concepts, data types, operators, control structures, functions and exception
  - Object-Oriented Programming concepts and basic data structures
  - Python fundamentals and commonly used libraries for data handling and AI/ML
  - Version control and source-code management using Git
- **Data and Database Basics:**
  - Data preprocessing, data quality, feature preparation and exploratory data analysis
  - Relational databases, ACID properties, keys, indexes, normalization and joins
  - SQL basics; NoSQL and vector-database concepts
  - Batch and real-time data-processing concepts
- **Machine Learning and Deep Learning:**
  - Supervised and unsupervised learning; regression, classification and clustering
  - Training, validation and testing; cross-validation, overfitting and regularization
  - Common evaluation metrics: accuracy, precision, recall, F1 score, ROC-AUC and RMSE
  - Neural networks, deep learning, transformers, tokenisation and embeddings - overview

2. Generative AI, RAG & Agentic AI Fundamentals

- **Generative AI and Large Language Models:**
  - Large Language Model concepts, prompts, context windows, parameters and model respo

- **Responsible AI:**
  - Fairness, transparency, explainability, privacy, safety and human oversight
  - Bias, toxicity, sensitive-information leakage and appropriate use of AI

3. Application Development, APIs & Integration Basics

- **Application Development Fundamentals:**
  - Client-server architecture and web-application concepts
  - Monolithic, layered and microservices architectures
  - HTTP/HTTPS, JSON, XML and data-serialization concepts
  - Synchronous, asynchronous and streaming communication
  - Input validation, error handling, logging, caching and application monitoring
- **API and Integration Fundamentals:**
  - REST and SOAP concepts; methods, status codes and request/response formats
  - API design, documentation, versioning, authentication, rate limiting and lifecycle manageme
  - Enterprise integration, API gateways, service-oriented architecture and message queues
  - Data transformation, validation, routing, orchestration and event-driven integration
  - Integration of enterprise applications and AI/ML services through APIs
- **User Interaction Fundamentals:**
  - Basic user-interface and user-experience concepts
  - Responsive design, accessibility and secure handling of user inputs
  - Presentation of AI-generated responses, citations, alerts and human-approval steps

4. Security, Testing, Cloud & Deployment Basics

- **Security Fundamentals:**
  - Authentication and authorisation; IAM, OAuth 2.0, tokens and Single Sign-On
  - Encryption, hashing, certificates, secrets management and secure data handling
  - Common web and API risks: injection, Cross-Site Scripting, Cross-Site Request Forgery and
  - AI-security basics: prompt injection, data leakage, insecure tool use and excessive agency
  - Guardrails, least privilege, audit logging and privacy controls
- **Software and AI Testing:**
  - Software-testing lifecycle; unit, functional, integration, API, regression and User Acceptance
  - Test cases, test data, defect lifecycle and basic performance testing
  - Testing AI/ML and GenAI outputs for quality, relevance, groundedness, safety and non-dete
- **Cloud and Deployment:**

I. **Action against Candidate found Guilty of Misconduct:** Candidates are cautioned that they should n tampered/fabricated and they should not suppress any material information while filling up t examination/interview if a candidate is (or has been) found guilty of: (i) using unfair means during the or procuring impersonation by any person and/or (iii) misbehaving in the examination hall and/or (iv) re means in connection with his/her candidature for selection and/or (v) obtaining support for his/her ca candidate may, in addition to rendering himself/ herself liable to criminal prosecution, will also be examination for which he/she is a candidate b) to be debarred, either permanently or for a spec recruitment conducted by Bank. The Bank would be analyzing the responses of a candidate with other of similarity. On the basis of such analysis, if it is found that the responses have been shared and sco Bank reserves the right to cancel his/her candidature.

J. **Use of Mobile Phone, Pager, Calculator, Smartwatch or Any Such devices:**

Mobile phones, pagers, Smartwatch or any other communication devices are not allowed inside the pre is being conducted. Any infringement of these instructions shall entail cancellation of candidature an future examinations. (ii) Candidates are advised in their own interest not to bring any of the banne Smartwatch to the examination/ interview venue, as arrangement for safekeeping cannot be assured. his/her mobile phone, and deposit the same at the designated location, to be collected while exiting. (or have in possession of calculators in examination premises.

K. **IRIS Scan/Biometric Verification:**

The Bank, at various stages, may capture IRIS Scan/ thumb impression of candidate in digital forma candidates. Decision of the IRIS data/ Biometric verification authority with regard to its status (mat binding upon the candidates. Refusal to participate in the process of IRIS/Biometric scanning/ verificatio of candidature. With regard to IRIS scanning, following points should be noted: (a) 'LEFT EYE (IRIS)' remove contact lenses and spectacles while capturing IRIS (c) There is no touch involved in IRIS scanner and eye will be maintained. Any failure to observe these points will result in non-admittance f candidature. In case a candidate is found to be not genuine, apart from taking legal action agains cancelled. With regard to Biometric verification, following points to be noted: Candidate will ensure tha at various stages and any inconsistency will lead to rejection of the candidature. In case of any candid taking legal action against him/her, his/her candidature will be cancelled. As such, they are advise mehandi, ink, chemical etc. on their hands."

G. HOW TO APPLY: Candidates should have **valid Email ID** which should be kept active till the dec
getting call letter/ interview advice etc. by email.

GUIDELINES FOR FILLING ONLINE APPLICATION	GUIDELINES FOR
i. Candidates will be required to register themselves online through the link available on SBI website **https://sbi.bank.in/web/careers/current-openings** and pay the application fee using Internet Banking/ Debit Card/ Credit Card/ UPI etc. ii. Candidates should first scan their latest photograph and signature. Online application will not be registered unless candidate uploads his/ her photo and signature as specified on the online registration page (under 'How to Upload Document"). iii. Candidates should fill the application carefully. Once application is filled-in completely, candidate should submit the same. In the event of candidate not being able to fill the application in one go, he can save the information already entered. When the information/ application is saved, a provisional registration number and password is generated by the system and displayed on the screen. **Candidate should note down the registration number and password.** They can re-open the saved application using registration number and password and edit the particulars, if needed. This facility for editing the saved information will be available for three times only. Once the application is completely filled, candidate should submit the same and proceed for online payment of fee. iv. **After registering online, the candidates are advised to take a printout of the system generated online application form.** v. Candidates seeking Age relaxation are required to submit copies of necessary certificates at the time of document verification. No change in category of any candidate is permitted after registration of online application.	i. Application fees and Intima 750/- (₹Seven Hundred candidates and no fees/int candidates. ii. After ensuring correctness form, candidates are requi gateway integrated with th application will be allowed t iii. Fee payment will have to gateway available thereat. Debit Card/ Credit Card/ In information as asked on t online payment, if any, will iv. On successful completion application form, bearing candidate, will be genera retained by the candidate. v. If the online payment of fe first instance, please ma payment. vi. A provision is there to repri containing fee details, at la vii. **Application Fee once pa account NOR can it be a or selection in future.**

H. HOW TO UPLOAD DOCUMENTS:

a. Details of Document to be uploaded:

i. Recent Photograph
ii. Signature
iii. Biodata (Format Attached) (PDF)
iv. Resume (PDF)
v. ID Proof (PDF)
vi. Proof of Date of Birth (PDF)
vii. Educational Certificates: Relevant Mark-Sheets/ Degree Certificate (PDF)
viii. Experience certificates (PDF)
ix. Caste Certificate / EWS Certificate (if applicable) (PDF)
x. PwBD Certificate (if applicable) (PDF)
xi. Preferred qualification / Certification (if any) (PDF)
xii. Form-16/Offer Letter/Latest Salary slip from current employer (PDF)

b. Photograph file type/ size:

- Photograph must be a recent passport style colour picture.
- Size of file should be between 20 kb - 50 kb and Dimensions 200 x 230 pixels (preferred)
- Make sure that the picture is in colour, taken against a light-coloured, preferably white, background.
- Look straight at the camera with a relaxed face
- If the picture is taken on a sunny day, have the sun behind you, or place yourself in the shade, so that you are not squinting and there are no harsh shadows
- If you have to use flash, ensure there's no "red-eye"
- If you wear glasses make sure that there are no reflections, and your eyes can be clearly seen.
- Caps, hats and dark glasses are not acceptable. Religious headwear is allowed but it must not cover your face.
- Ensure that the size of the scanned image is not more than 50kb. If the size of the file is more than 50 kb, then adjust the settings of the scanner such as the DPI resolution, no. of colour etc., during the process of scanning.
- **PHOTOGRAPH CAPTURE:**
- In addition to the above photograph, candidates will also

d. Document file type/ size:

i. All Documents must be in P
ii. Page size of the document
iii. Size of the file should not b
iv. In case of Document being as PDF and size not more t file is more than 500 kb, th such as the DPI resolution, of scanning. Please ensure and readable.

e. Guidelines for scanning of ph

i. Set the scanner resolution inch)
ii. Set Color to True Color
iii. Crop the image in the scan signature, then use the up final size (as specified abov
iv. The photo/ signature file sh name should appear as: im
v. Image dimensions can be moving the mouse over the
vi. Candidates using MS Win photo and signature in .jpeg respectively by using MS P Scanned photograph and s in .jpg format by using 'Save size can be reduced bel (signature) by using crop a point (i) & (ii) above for th Similar options are availabl
vii. While filling in the Online Ap

	• After completing online registrat printout of their system generate • Candidate should also ensure t Photo, Signature at the plac Impression at the place of Le Written Declaration at the place in place of Photo, Signature in Impression at the place of Le Written Declaration at the place uploaded properly, candidate wil
c. Signature file type/ size: i. The applicant has to sign on white paper with Black Ink pen. ii. The signature must be signed only by the applicant and not by any other person. iii. The signature will be used to put on the Call Letter and wherever necessary. iv. Size of file should be between 10 kb - 20 kb and Dimensions 140 x 60 pixels (preferred). v. Ensure that the size of the scanned image is not more than 20 kb. vi. **Signature in CAPITAL LETTERS shall NOT be accepted.** vii. **Hand-Written Declaration:** • The applicant has to write the **declaration in English** clearly on a white paper with black ink. • **File Type**: jpg/jpeg • **Dimension: 800** x 400 pixels in 200 DPI (Preferred for required quality) i.e. 10 cm x 5 cm (Width x Height) • **File Size: 5**0 kb- 100 kb **Hand-Written Declaration in CAPITAL LETTERS shall NOT be accepted.**	**f. Procedure for Uploading Docu** i. There will be separate links ii. Click on the respective link iii. Browse & select the locatio file has been saved. iv. Select the file by clicking or v. Click Preview to confirm accessible properly before size and format are not as displayed vi. Once uploaded/ submitted, edited/ changed. vii. **After uploading the pho application form candida are clear and have beer** photograph or signature is may edit his/ her applicatio or signature, prior to subm **photograph or signatu application may be reject**

I. GENERAL INFORMATION:

I. Before applying for the post, the applicant should ensure that he/ she fulfils the eligibility and other norms mentioned above for that post as on the specified date and that the particulars furnished by him/ her are correct in all respects.

II. Candidates belonging to reserved category including, for whom no reservation has been mentioned, are free to apply for vacancies announced for General category provided they must fulfil all the eligibility conditions applicable to General category.

III. **In case it is detected at any stage of recruitment that an applicant does not fulfil the eligibility norms and/ or that he/ she has furnished any incorrect/ false information or has suppressed any material fact(s), his/ her candidature will stand cancelled. If any of these shortcomings is/ are detected even after appointment / final selection, his/ her services/ are/ is liable to be terminated forthwith.**

IV. The applicant should ensure that the application is strictly in accordance with the prescribed format and is properly filled.

V. Appointment of selected candidate is subject to his/ her being declared medically fit as per the requirement of the Bank. Such appointment will also be subject to the service and conduct rules of the Bank for such post in the Bank, in force at the time of joining the Bank.

VI. Candidates are advised to keep their e-mail ID active for receiving communication viz. call letters/ Interview date advice etc., as no communication may be sent in hard copy.

VII. The Bank takes no responsibility for any delay in receipt or loss of any communication whatsoever.

VIII. Candidates serving in Govt./ Quasi Govt. offices, Public Sector undertakings including Nationalized Banks and Financial Institutions are advised to submit **'No Objection Certificate' from their employer at the time of interview**, failing which their candidature shall not be considered and travelling expenses, if any, otherwise admissible, will not be paid.

IX. In case of selection, candidates will be required to produce proper discharge certificate from the employer at the time of taking up the appointment.

X. Candidates are advised in their own interest to apply online well before the closing date and not to wait till the last date to avoid the possibility of disconnection / inability/ failure to log on to the website on account of heavy load on internet or website jam. SBI does not assume any responsibility for the candidates not being able to submit their applications within the last date on account of aforesaid reasons or for any other reason beyond the control of SBI.

XI. DECISION OF BANK IN ALL MATTERS REGARDING ELIGIBILITY, CONDUCT OF INTERVIEW, OTHER TESTS AND SELECTION WOULD BE FINAL AND BINDING ON ALL CANDIDATES. NO REPRESENTATION OR CORRESPONDENCE WILL BE ENTERTAINED BY THE BANK

XIII. Merely satisfying the eligibility norm called for interview. Bank reserve number of candidates for the interv listing with reference to candidate' etc.

XIV. In case of multiple application, only will be retained, the application f registration will stand forfeited.

XV. Any legal proceedings in respect of out of this advertisement and/ or an instituted only in Mumbai and Court shall have sole and exclusive jurisc dispute.

XVI. Outstation candidates, who may be will be reimbursed the cost of trave the shortest route in India, as given

Post
➢ Chief Manager (Data Scientist)
➢ Manager (Data Scientist) ➢ Dy. Manager (Data Scientist)

XVII. Request for change / correction in the application form, once submitt circumstances. No correspondence regard. Candidates are advised to and furnish the correct information i

XVIII. **BANK RESERVES RIGHT TO CAN PROCESS EITHER ENTIRELY OR FOR ANY PARTICULAR POS ASSIGNING ANY REASONS THE**

XIX. **At the time of interview, the can details regarding criminal cases Suppression of material facts wil of candidature at any point, even selection will be canceled in such conduct independent verification Police Records, etc. The Bank appointment depending upon su verification.**

DISCLAIMER (DPDP Act 2023)

xx. By applying to this position, y informed and unconditional processing of your personal dat

HOW TO APPLY

Login to https://sbi.bank.in/web/careers/curren

Scroll down and click on the respective adve

Download advertisement no. CRPD/SCO/2
(Carefully read the detailed advertisem

Apply Online
(Before final submission, please go through you
Corrections will not be allowed after final su

SBI RECOGNISED AS" BEST SUPER LARGE BANK" AT FORT
NBFCs SUMMIT 2026



