

Sneha Menat

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EDUCATION

Veermata Jijabai Technological Institute (VJTI)

Bachelor of Technology in Computer Engineering - **CGPA: 8.43**

Aug 2023 – May 2026

Mumbai, Maharashtra

Veermata Jijabai Technological Institute (VJTI)

Diploma in Electronics Engineering - **97.74%** (State Rank: 17, College Rank: 1)

Nov 2020 – May 2023

Mumbai, Maharashtra

EXPERIENCE

Engineering Summer Analyst, Goldman Sachs

May 2025 – Jul 2025

GitLab, CI/CD, Java, Dropwizard, Camunda BPMN, Groovy, iText, JUnit, Mockito, AWS

Bengaluru, Karnataka

- Implemented **3 end-to-end Camunda BPMN workflows** (Clone, Terminate, Respecify), developing **Groovy** business logic for every workflow stage to automate request lifecycles while enforcing state validation and preserving approval audit history.
- Built a **versioned form editing system** supporting **100+ dynamic fields** with conditional visibility, dependency-driven state transitions, and edit versioning; authored comprehensive **Confluence** documentation defining field behavior and workflow states.
- Developed **Dropwizard REST APIs** for runtime validation of critical form data and seamless data lake integration; built an **iText**-based PDF generation service to generate structured request documents for approval and record keeping.
- Developed **Terraform Infrastructure-as-Code (IaC)** to automate provisioning of internal project resources for production onboarding; collaborated in **Agile** sprint planning, peer code reviews, **GitLab CI/CD**, and ensured code quality through **JUnit** and **Mockito** testing.

Contributor, GirlScript Summer of Code (GSSOC'24)

May 2024 – Aug 2024

ReactJS, Bootstrap, MongoDB, Mongoose, ExpressJS

Remote

- Contributed to **'Book4U'**, an open-source bookstore - built **RESTful APIs** using ExpressJS and MongoDB for product management including create, edit, and delete operations with **role-based access control** for admins, enabling management of **100+** products.
- Designed and integrated a full-stack **wishlist feature** — building backend APIs for save/remove operations using **MongoDB** and **Mongoose**, and crafting responsive UI components in **ReactJS**.
- Improved perceived user experience by implementing a reusable **loading state component** in **ReactJS**, reducing UI blocking and providing visual feedback during asynchronous content rendering.

PROJECTS

EquiSight - News Research Tool

Mar 2025 – Apr 2025

LangChain, HuggingFace Embeddings, FAISS vector index

- Engineered an **end-to-end RAG pipeline** processing unstructured web content into queryable knowledge — structured recursive text chunking with overlap tuning, generated dense embeddings using **sentence-transformers/all-mpnet-base-v2**, and constructed a **FAISS** vector index for semantic retrieval via **LangChain** across multi-source corpora.
- Created a **query-intent classification layer** that dynamically routes user queries to either direct extractive answering or multi-document abstractive summarization, synthesizing context from **3+** heterogeneous news sources in a single response.
- Developed an interactive **Streamlit** interface for real-time URL ingestion, query input, and response rendering, optimizing retrieval latency through **FAISS** index tuning and embedding caching.

PrestigeCraft - An Ecommerce Platform

May 2024 – Jun 2024

MongoDB Atlas, ExpressJS, ReactJS, Bootstrap

- Architected **12+ RESTful APIs** across product, cart, and favorites domains with a normalized **MongoDB Atlas** schema, server-side input validation using **express validator**, and consistent error-handling middleware to ensure API reliability under malformed requests.
- Implemented a stateless **JWT-based authentication** system with **Bcrypt.js** password hashing and **role-based access control (RBAC)**, enforcing route-level authorization across customer and admin privilege tiers.
- Created a **multi-parameter, category-wise search filter** across **7** categories and **50+** products, enabling efficient product discovery.

TECHNICAL SKILLS

Programming Languages: Java, C++, Python, HTML, CSS, JavaScript.

Libraries/Frameworks: ReactJS, NodeJS, ExpressJS, LangChain, Pandas, Tensorflow, Dropwizard.

Databases: MySQL, MariaDB, MongoDB.

Developer Tools: GitHub, VS Code, PyCharm, IntelliJ, Jupyter Notebook, Google Colab, Firebase, Postman, AWS.

RELEVANT COURSEWORK

- Data Structures
- Database Management
- Computer Networks
- Object Oriented Programming
- Algorithm Analysis
- Operating Systems
- AI and ML

POSITIONS OF RESPONSIBILITY

Dev Team, Community of Coders

Oct 2024 – Jan 2025

- Mentored **10+** students throughout the complete product development lifecycle.
- Organized and conducted a practical hands-on GitHub workshop for **100+** students.

ACHIEVEMENTS

- Finalist (Top 45 out of 900+ teams)** – AIVolution Hackathon, Media.net
- 1st Runner-up, Innovize Ideathon** – Organized by Digital VJTI & Nexus'25 among **30+** teams.
- Competitive Programming:** **LeetCode** Knight badge with **1880+** contest rating, **1000+** problems solved; **CodeChef** 2-star, **1400+** rating.
- Secured **1st place at HackXcelerate hackathon**, competing against **40+** teams.
- Finalist at Hackaurora, LOC 7 and Need for Code**; participated in 10+ national hackathons.