Shivani Jariwala

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Education

San Jose State University   **Jan 2025 – Present** | San Jose, CA
Masters in Computer Software Engineering | GPA: 3.7/4.0
- **Coursework:** Data Structures & Algorithms (C++), DBMS, Operating Systems, Enterprise SW Platforms

Gujarat Technological University   **Aug 2017 – Jun 2021** | Gujarat, India
Bachelor in Electronics and Communications Engineering | GPA: 3.6/4.0

Experience

Software Engineer, *Visit Health Pvt Ltd*   **Nov 2021 – Dec 2024** | Noida, India
- Revamped the HR dashboard, Axis Bank's enrollment portal, and Visit Health's PWA using **React.js**, **Node.js**, and **MySQL** — enabling bulk onboarding, improving policy visibility, and reducing manual effort across platforms.
- Developed **Kafka-based pipelines** and enhanced Visit Health app (3M+ users) with policy-wise e-card grouping, personalized support contacts, and a **WhatsApp bot** - reducing claim errors by **25%** and boosting bot engagement by **60%**.
- Engineered scalable **AWS Lambda** data pipelines to sync 10K+ records/month from HRMS platforms (Darwinbox, Oracle Fusion), optimizing system latency and reducing sync errors by 40%.
- Led backend **SQL revamp** for the HR dashboard, cutting load times and streamlining data flow across services; delivered client-facing **Data Studio dashboards** exposing real-time metrics on member policies, claims, and platform usage.

Software Engineer Intern, *Vitto*   **June 2021 – Nov 2021** | Delhi, India
- Redesigned and implemented core full-stack modules for internal dashboard and landing page using **React.js**, **Redux**, **Node.js**, and **Express**, enhancing ops team efficiency by **25%**.
- Developed **automated tests** using **Mocha** and **Chai**, reducing production regression bugs by **35%** and improving stability.
- Developed Vitto's company website from the ground up using **React.js** and **AngularJS**, integrating dynamic components and optimizing performance for cross-device responsiveness.

Technical Skills

Programming Languages: JavaScript (ES6+), Modern C++, Python(Pandas, NumPy), Java, SQL

Frontend: React.js, Vue.js, Redux, Tailwind CSS, HTML, CSS

Backend: Node.js, Express.js, Django REST Framework

Databases & Message queue: MySQL, MongoDB, Kafka

Tools: Linux, AWS, Docker, Git, Postman, Swagger, DSA, OOPs, Google Maps API

Academic Projects

SJSU ResourceBot | [*LLM-Powered Campus Assistant | Python, LangChain, ChromaDB, Streamlit*]
- Designed a Retrieval-Augmented Generation **(RAG)** chatbot to answer SJSU-related queries using embedded PDFs and scraped website content.
- Integrated **LangChain**, **ChromaDB**, and OpenAI's GPT-4 API; leveraged **Pandas** and **NumPy** for preprocessing and embeddings.
- Developed an interactive **Streamlit interface** and automated Python pipelines for document ingestion and query response.

B2B Fleet Management System | [*Nuxt.js, Vue.js, Vuex, Tailwind CSS, Axios, Django REST Framework*]
- Engineered 8+ interactive modules (Trip Planning, Reports, Roles, Drivers, Users) using **Vue.js** and **Nuxt.js**, streamlining delivery workflows and admin operations.
- Built role-based, modular UIs with Vuex-managed state and **Tailwind CSS**, enhancing maintainability and cross-role functionality.
- Integrated **Axios with Django REST APIs** for secure CRUD operations, file uploads, and real-time updates for vehicle/trip/driver management.