

Vineet Shah

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EDUCATION

San Jose State University

Bachelor of Science in Computer Science

San Jose, CA

Expected: May 2027

- GPA: 3.78
- Relevant Coursework: Data Structures & Algorithms, Operating and Distributed Systems, Object-Oriented Programming, Formal Language and Computing

TECHNICAL EXPERIENCE

San Jose State University

Software Engineering Intern

May 2025 – August 2025

San Jose, CA

- Built a monitoring system for internal services using **Prometheus** and **FastAPI**.
- Deployed containerized infrastructure via **Docker** and configured **NGINX** for caching and routing.
- Developed argparse- and **JSON**-based configuration logic to customize service health validation.
- Reduced detection latency by **60%** through performance tuning, metric debugging, and live diagnostics.

Naran Lala Pvt. Ltd.

Software Engineering Intern

April 2023 - July 2023

Gujarat, India

- Developed internal tools to automate **inventory management** and production workflows.
- Improved operational efficiency by **23%** through backend automation and debugging **database bottlenecks**.
- Integrated system-level scripts with **Jenkins** for deployment and continuous testing.
- Refactored services to enable smoother communication between **distributed modules**.

PROJECTS

ReadWMe | *Nextjs, ReactJs, PostgreSQL, Groq API, Langchain, SocketIO, Puppeteer*

- Built scalable backend with microservices for real-time **Reddit summarization** and Q&A.
- Integrated **LangChain** for GenAI-powered answers and adaptive user queries.
- Reduced latency **45%** using Socket.IO streaming and **async caching**.
- Implemented robust **monitoring** and optimized throughput for reliability.

IdealMeal | *Flask, ReactJs, GeminiAPI, MongoDB, Google Places API, Tailwindcss*

- Developed AI meal recommender with **GenAI** and cloud APIs for local suggestions.
- Used **Gemini API** for natural language understanding and user intent.
- Built scalable backend with **MongoDB** and **Places API** for dynamic results.
- Improved reliability with **caching**, **load balancing**, and **CI/CD pipelines**.

SplitFree | *Flask, ReactJS, PostgreSQL, TailwindCSS*

- Designed distributed algorithms for efficient **debt settlement** across users.
- Optimized **database queries** and indexing for fast computation.
- Built secure **REST APIs** with automated validation and testing.
- Simulated **concurrent loads** to ensure system resilience.

Fleetsure | *Java, OOP, Layered Architecture*

- Developed modular vehicle management system with **layered architecture**.
- Applied **OOP principles** for reusable, maintainable codebase.
- Simulated workflows for **inventory** and **customer management**.
- Optimized efficiency for scalable deployment in **distributed setups**.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, Go, C++, C, TypeScript, SQL

Cloud & Distributed Systems: AWS (EC2, S3, Lambda), Docker, Nginx, Prometheus, SocketIO, REST APIs

Frameworks & Tools: Flask, ReactJS, NextJs, Django, FastAPI, TailwindCSS, Spring Boot, Git, CI/CD

Databases: PostgreSQL, MongoDB, MySQL, Redis (SQL & NoSQL)

AI & GenAI APIs: OpenAI API, Gemini API, LangChain, RAG Pipelines, Groq API, Google Places API