

Vineet Shah

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EDUCATION

San Jose State University

San Jose, CA

Bachelor of Science in Computer Science

Expected: May 2027

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

TECHNICAL EXPERIENCE

Lifestages

Software Engineering Intern

September 2025 – Present

San Francisco, CA

- Architected a **Vision Dashboard** delivering real-time analytics on user engagement and predictive goal tracking.
- Shaping the platform into a **B2B SEO SaaS** with multi-tenant architecture for SEO tracking.
- Migrated backend to **Firebase Cloud Functions** to improve scalability and cut overhead.
- Built scalable data pipelines for real-time synchronization, concurrent aggregation, and intelligent pattern analysis.

San Jose State University

May 2025 – August 2025

Software Engineering Intern

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.

PROJECTS

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

- Built a scalable backend with microservices for real-time **Reddit summarization** and interactive Q&A, supporting thousands of users.
- Integrated **LangChain** to deliver GenAI-powered answers and adaptive queries, enhancing user engagement.
- Reduced latency by **45%** using efficient **Socket.IO** streaming and asynchronous caching strategies.
- Implemented robust **monitoring** and optimized throughput for reliable, consistent performance.

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

- Developed an AI meal recommender using **GenAI** and cloud APIs to provide personalized, location-based suggestions.
- Leveraged **Gemini API** for natural language understanding and accurate user intent detection.
- Built a scalable backend with **MongoDB** and **Places API** for dynamic, adaptive results.
- Improved reliability and performance with advanced **caching**, **load balancing**, and automated CI/CD pipelines.

SplitFree | Flask, ReactJS, PostgreSQL, TailwindCSS

- Designed distributed algorithms for efficient **debt settlement** across user groups, optimizing for speed and accuracy.
- Optimized **database queries** and indexing to enable fast computation and scalable performance.
- Built secure **REST APIs** with automated validation, comprehensive testing, and robust error handling.
- Simulated **concurrent loads** to ensure system resilience and reliability under real-world conditions.

Fleetsure | Java, OOP, Layered Architecture

- Developed a modular vehicle management system using **layered architecture** for maintainability and scalability.
- Applied advanced **OOP principles** to create a reusable, extensible codebase for rapid feature development.
- Simulated business workflows for **inventory** and **customer management**, focusing on operational reliability.
- Optimized efficiency for scalable deployment in **distributed setups** and resource-constrained environments.

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