Vineet Shah

+1 (628)-724-1562 | vineet.shah@sjsu.edu | linkedin.com/in/vineet-shah2006 | github.com/vineeshah

Education

San Jose State University — San Jose, CA
Bachelor of Science in Computer Science — *Expected: May 2027*

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

Technical Experience

SJSU Software and Computer Engineering Society — May 2025 – August 2025
SCE System Status Monitoring 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

Naran Lala Pvt. Ltd. — April 2023 - July 2023
Software Engineering Intern — *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*

- Designed a scalable backend architecture with modular services and real-time updates
- Integrated LangChain to implement RAG-based summarization and context-aware Q&A
- Used Puppeteer and socket streaming to deliver dynamic Reddit-sourced trends for user engagement
- Applied concepts of data processing and caching to optimize query response speed

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

- Built a full-stack web app with React and Flask to deliver instant, healthy food alternatives based on user input
- Integrated Google Gemini AI to interpret natural language cravings and return smart food matches
- Combined Google Places API with MongoDB to show local results and improve with user behavior over time
- Designed a smooth system that connects AI, location data, and preferences to power real-time recommendations

SplitFree | *Flask, ReactJS, PostgreSQL, TailwindCSS*

- Engineered algorithms to compute minimal settlement paths in large transaction datasets
- Optimized backend performance using index tuning and efficient I/O operations
- Deployed scalable API endpoints with layered validation and integration tests
- Simulated real-world concurrency scenarios to test edge-case behavior under stress

Fleetsure | *Java, OOP, Layered Architecture*

- Built a dual-role Java system for vehicle rental and sales with customer and business workflows
- Applied encapsulation, inheritance, and polymorphism across vehicle and user classes
- Structured system into controller, service, and model layers for modularity and clarity
- Managed in-memory inventory, orders, and employees with dynamic runtime role switching

Technical Skills

Languages: Python, Java, JavaScript, Linux, GO, HTML, SQL, C++, C
Frameworks & APIs: Flask, ReactJS, NextJs, Django, FastAPI, TailwindCSS, Spring Boot
Databases & Tools: PostgreSQL, MongoDB, MySQL, Prometheus, Nginx, Docker, Git, Nginx, Redis, SocketIO
AI APIs: OpenAI API, Gemini API, LangChain, RAG Pipelines, Grok API, Google Places API