Sai Likhith Bavisetti

St. Louis, Missouri

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Education

University of Missouri–St. Louis — *GPA 3.97/4.0*
MASTER'S IN COMPUTER SCIENCE — *Aug. 2024 - May. 2026*

Professional Experience

University of Missouri–St. Louis — *St. Louis*
INTERN — *Jan. 2025 - Present*

- Enhanced digital accessibility for the university's web page, ensuring compliance with WCAG 2.1 standards to improve user experience for individuals with disabilities.
- Developed an automated system for collecting event data from neighboring localities, streamlining data aggregation with Python scripts and APIs, reducing manual effort by 60%.

Sanmax Mercado — *Remote*
FULL STACK DEVELOPER — *Jan 2023 - June 2024*

- Designed and developed a Slack bot to automate ticket resolution, enabling users to submit issues via Slack channels and receive AI-driven solutions using agile methodologies and CI/CD pipelines.
- Integrated the Slack bot with an AI model (using Python FastAPI) to analyze ticket descriptions, identify problems, and suggest or execute resolutions autonomously.
- Designed and implemented Python automation scripts, including IAM user key rotation, to streamline operational processes and enhance security.
- Tested and deployed the bot in a production environment, ensuring reliability and user adoption through iterative feedback, thorough debugging, and continuous improvement.

Projects

LinkedIn AI – Comment Generator with Chrome Extension Integration

FULL-STACK AI APPLICATION, CHROME EXTENSION, FASTAPI BACKEND

- Built an end-to-end AI-powered LinkedIn comment generation system using FastAPI, JavaScript, and HTML, with seamless Chrome Extension integration.
- Developed a dynamic Chrome extension with content script injection for real-time LinkedIn post extraction and auto-comment insertion based on user preferences.
- Engineered a scalable backend with Pydantic models, dependency injection, asynchronous processing, and Docker-based containerization.
- Implemented advanced prompt engineering and agentic AI workflows to generate high-quality, context-aware comments across 16 tones and 5 length settings.
- Designed a responsive popup UI with glassmorphism aesthetics, real-time API interaction, and persistent user configuration.
- Deployed backend APIs on AWS using Docker, ensured scalability and performance, and published the extension on the Chrome Web Store.

SplitShare - Peer-to-Peer Expense Sharing App

FASTAPI, REACT NATIVE, POSTGRESQL, DOCKER, AWS, DSA (GRAPH ALGORITHMS, DIJKSTRA'S), GIT

- Designed and developed a Splitwise-like mobile application using advanced Data Structures and Algorithms (DSA), including graph-based expense allocation and optimized Dijkstra's algorithm for debt settlement.
- Built a scalable and secure backend using Python FastAPI, with PostgreSQL for transactional data storage, supporting efficient expense tracking and splitting.
- Integrated real-time notifications and a user-friendly interface with React Native, enhancing user engagement and ensuring efficient group expense management.

AI YouTube Summarizer Chrome Extension

AI, CHROME EXTENSION, JAVASCRIPT, CHATGPT INTEGRATION

- Developed an AI-powered Chrome extension to summarize YouTube videos using JavaScript and ChatGPT, streamlining content consumption.
- Published the extension on the Chrome Web Store and shared it across platforms to reach users.

Technical Skills

- **Programming Languages**: Python, JavaScript, SQL
- **Frameworks & APIs**: NestJS, Node.js, ReactJS, Flask
- **Cloud Platforms**: AWS
- **Databases & Storage**: PostgreSQL, MySQL, MongoDB
- **Developer Tools**: Docker, Kubernetes, Git, Jupyter, Postman, VS Code, Cursor
- **Additional Skills**: Algorithms, Data Structures, Object-Oriented Design, Unit Testing, Full Software Development Lifecycle, Agile Methodologies, Collaboration, Diversity, Inclusion, Accessibility