Shravan Asati

Ahmedabad, Gujarat

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I am a passionate software developer seeking an internship.

Education

B.Tech. CSE *Ahmedabad, India*

Adani University *July 2023 - Present*

Specialization: AI-ML
CGPA: 9.2
Last Semester SGPA: 9.36

12th Grade *Navsari, India*

VSG International School *April 2022 - March 2023*

Board: CBSE
Stream: Science (PCM + Informatics Practices)
Percentage: 91.6%

10th Grade *Navsari, India*

VSG International School *March 2020 - Apr 2021*

Board: CBSE
Percentage: 94.8%

Skills

- **Languages and Frameworks:** Python, Go, Next.js, React, TypeScript, JavaScript, Flask, SQL, C++, Bash
- **Tools and Technologies:** Git, GitHub, Linux, Docker, CI/CD Pipelines

Projects

everynyan

- **Developed** an exclusive anonymous social media platform for Adani University students (200+ users), featuring post creation, commenting, upvoting/downvoting, and content reporting to maintain community standards
- **Built** the frontend using **Next.js** for a seamless user experience and implemented backend services with **Firestore** as the primary database for high scalability.
- **Integrated** various APIs including **Cloudflare Turnstile** for CAPTCHA verification, **Tenor** for GIF sharing, and **Resend** for email notifications.
- **Engineered** a robust notifications service in **Go**, delivering real-time updates through **WebSockets** and **push notifications**, leveraging **BoltDB** for storing subscription data.
- **Designed** an admin panel to resolve reported content and efficiently broadcast notifications to all users, enhancing platform management capabilities.

animeviz

- Engineered a dynamic web application for visualizing MyAnimeList user data, leveraging the **MyAnimeList API** for OAuth2 authentication and anime search functionality
- Implemented robust security measures using **Cloudflare Turnstile** for CAPTCHA protection
- Utilized **pandas**, **matplotlib** and **plotly** libraries to generate insightful data visualizations and analytics
- Developed a responsive frontend using **PicoCSS** and **Vanilla JavaScript** for enhanced user experience
- Designed and implemented a scalable backend architecture with **Python Flask**, integrating **MySQL** for efficient data management and retrieval

squirrel

- Developed ”Squirrel,” an innovative **AI-powered SQL** query builder and executor with schema-aware capabilities
- Implemented automatic DDL command generation for database schema analysis, enhancing the **LLM's** contextual understanding
- Integrated **Ollama** to locally deploy and run the sqlcoder LLM, optimizing performance and data privacy
- Designed an intuitive frontend using HTML, CSS with **DaisyUI** component library, and Vanilla JavaScript for a seamless user interface

emozi

- Engineered ”emozi,” a versatile emojipasta generator with both web and terminal interfaces
- Developed a core emojipasta library in **Go**, demonstrating problem solving skills
- Crafted a responsive web application using **React**, **TypeScript**, and **TailwindCSS**, showcasing modern frontend development expertise
- Utilized **Docker** for containerization, implementing multi-stage builds and optimized cache layering to achieve rapid deployment and minimal image size

stella

- Engineered Stella, a **Python**-based CLI tool designed to enhance web development workflows, demonstrating proficiency in creating developer-centric utilities
- Implemented automatic server restart functionality and real-time browser page reloads, significantly improving developer productivity
- Integrated advanced features including gitignore file compliance and an npm-scripts-like interface, showcasing deep understanding of modern development practices
- Achieved over **10,000 downloads** on PyPI, indicating substantial adoption and value within the developer community

PyScreenRec

- Developed PyScreenRec, a lightweight, cross-platform screen recording library in **Python**, demonstrating proficiency in creating reusable software components
- Designed and implemented an intuitive API for seamless control of recording functions, including start, pause, resume, and stop capabilities
- Leveraged **OpenCV** for efficient video compilation, showcasing ability to integrate complex third-party libraries
- Achieved over **38,000 downloads** on PyPI, indicating strong adoption and real-world impact within the developer community

Coursework

Computer Science	Database Management Systems, Algorithms Design and Analysis, Data Structures, Computer Programming, Frontend Web Development, Python Programming
Engineering Sciences	Probability and Statistics, Digital Fundamentals, Maths I, Maths II, Basic Electronics
Humanities and social sciences	Effective Technical Communication, Professional Communication