

# Shravan Asati

Ahmedabad, Gujarat

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I am a passionate software developer seeking an internship.

## Education

### B.Tech. CSE

Adani University

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

Ahmedabad, India

July 2023 - Present

### 12th Grade

VSG International School

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

Navsari, India

April 2022 - March 2023

### 10th Grade

VSG International School

Board: CBSE  
Percentage: 94.8%

Navsari, India

March 2020 - Apr 2021

## Skills

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

## Projects

### 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

- 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

## iris

- Developed "iris," a versatile and cross-platform wallpaper management solution implemented in **Go**, demonstrating proficiency in system-level programming
- Engineered a feature-rich application capable of sourcing wallpapers from diverse platforms (GitHub, Reddit, Windows Spotlight, Unsplash) and local folders, enhancing user flexibility
- Designed an automated wallpaper rotation system with configurable periodic changes, showcasing the ability to create customizable user experiences
- Incorporated advanced capabilities such as video wallpaper support and multi-platform compatibility, demonstrating technical proficiency in multimedia integration and cross-platform development

## 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 **8,000 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 **17,000 downloads** on PyPI, indicating strong adoption and real-world impact within the developer community

## Coursework

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### 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