

# Shravan Asati

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I'm a **1st-year B.Tech. student** specializing in **CSE** and interested in data science and web development. I'm currently studying react and nextjs and gaining hands on experience in deploying websites.

## Education

### B.Tech. CSE

Adani University

Specialization: AI-ML

CGPA: 9.05

Last Semester SGPA: 9.05

Ahmedabad, India

July 2023 - Present

### 12th Grade

VSG International School

Board: CBSE

Stream: Science (PCM + Informatics Practices)

Percentage: 91.6%

Navsari, India

June 2021 - March 2023

### 10th Grade

VSG International School

Board: CBSE

Percentage: 94.8%

Navsari, India

March 2020 - Apr 2021

## Skills

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

## Projects

### animeviz 🌐

A website that draws insightful visualizations over users' MyAnimeList data. I implemented the OAuth2 authentication and anime search using the **MyAnimeList API**, used **Cloudflare Turnstile** for the captcha, and **pandas** and **matplotlib** for generating various charts. The frontend uses **PicoCSS** and **Vanilla JS** and backend uses the **Python Flask** library, along with **MySQL** as the database.

### titan-url 🌐

Titan URL is a no-fuss URL shortener. I've also exposed a public API that can be used to shorten URLs. To demonstrate the API usage, I created a terminal client for it in **NodeJS**. I also implemented **Vercel Site Analytics** to access real-time insights about the website. The frontend uses **TailwindCSS** and **Vanilla JS** and backend uses the **Python Flask** library, along with **Postgres** as the database.

### iris 🌐

iris is an easy-to-use, cross-platform, and extremely customizable wallpaper manager. It's written in **Go** and is feature-rich; it can set remote wallpapers from GitHub, Reddit, Windows Spotlight service, and Unsplash. You can use your local wallpapers folder too. You can configure it to change wallpapers periodically. You can set video wallpapers too.

### atomic 🌐

atomic is a command-line benchmarking tool in **Go**, that offers an array of advanced features like arbitrary command support, intermediate shell execution, statistical outlier detection, benchmark summary export in various formats, command timeouts and built-in plotting support.

### stella 🌐

Stella is a **Python** CLI tool that aims to streamline the web dev experience by providing automatic server restarts, browser page reloads on file changes, and several other QOL features like gitignore file obedience and npm-scripts like interface. It has over **7k downloads** on PyPI.

## PyScreenRec

PyScreenRec is a small and cross-platform **Python** library for recording screen. It provides an easy-to-use API to start, pause, resume, and stop recording. It uses **OpenCV** underneath to compile the video. It has over **13k downloads** on PyPI.

## crusade

Crusade is a friendly math interpreter written in **C++**. It employs a slightly modified version of the **Shunting-Yard algorithm** to understand and evaluate the given expressions. I built it as the project for the Data Structures course.

## Coursework

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<b>Computer Science</b>	Computer Programming. Ongoing courses: Data Structures, Frontend Web Development, Python Programming
<b>Engineering Sciences</b>	Maths I, Basic Electronics, Basic Electrical Engineering. Ongoing courses: Maths II, Applied Physics
<b>Humanities and social sciences</b>	Professional Communication, Environmental Science. Ongoing course: Human Values

## Achievements

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2020-22	<b>Completed Hacktoberfest 2020, 2021, 2022 Challenge</b> , GitHub	India
10th Std	<b>1st Rank</b> , Class X	2021
7th Std	<b>Level 1: 3rd rank</b> , SOF International Mathematics Olympiad (IMO)	School Level

## Extracurricular

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I enjoy playing badminton, watching anime, and video editing. I am also an active member of ASPDC (Adani Student Programming and Development Club).