

# Sai Vaishnav Thota

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## Education

<b>CVR College of Engineering</b> B.Tech in Computer Science and Engineering (GPA: 7.68 / 10.00)	2021-2025 Hyderabad, Telangana
<b>Sri Chaitanya Junior College</b> MPC (960/1000)	2019-2021 Hyderabad, Telangana

## Profile

A highly motivated and dedicated individual passionate about exploring the intersection of technology and real-world applications. Known for a deep curiosity to understand how things work, from foundational computing concepts to cutting-edge software development. Adept at learning new skills independently, solving complex problems, and delivering results within tight deadlines. Experienced in collaborating with teams to build innovative solutions, with a growing interest in generative AI and reshaping software development. Assertive, goal-oriented, and always eager to learn and contribute.

## Projects

### Home credit risk model stability | python,flask

- Developed a web application using Flask as the frontend to predict home credit risk for financial institutions. The application integrates machine learning models, including Logistic Regression, Random Forest, XGBoost, and K-Nearest Neighbors, to analyze and assess risk. Each model's performance was evaluated to ensure stability and accuracy. This project showcases a robust approach to handling financial datasets, enabling institutions to make informed lending decisions while optimizing risk management strategies.

### AI-Powered Movie Recommendation System | Python,Pandas, Scikit-learn

- Designed and implemented an AI-driven recommendation system that suggests movies based on user preferences. Leveraging natural language processing (NLP), the system extracts meaningful entities from movie descriptions using Named Entity Recognition (NER) and embeddings. Cosine similarity is calculated to rank movies, ensuring personalized and relevant suggestions. Advanced filtering techniques were applied to match user-specified genres and refine results.

### Restaurants Review App | MongoDB,Express,Node.js

- With this project, I've delved into the world of full-stack development, harnessing the power of MongoDB, Express and Node.js to create a seamless and engaging user experience. By using this application you can create your own reviews, updating existing ones, or even removing outdated feedback, contributing to an ever-evolving database of culinary experiences.

## Certifications

### The Web Developer Bootcamp 2024 Udemy

Learnt the basics of both frontend and backend concepts with the help of various exercises

### Salesforce developer virtual Internship 2023 smart bridge

Worked on Fundamentals of salesforce, testing, debugging and Apex, LWC components

## Technical Skills

**Languages:** Java, C, Python, JavaScript

**Web Technologies:** HTML, CSS, Node.js, React.js, Express.js, Bootstrap, jQuery

**Databases:** MongoDB, MySQL

**Machine Learning:** Logistic Regression, Random Forest, XGBoost, K-Nearest Neighbors

**Concepts:** Data Structures and Algorithms, Compiler Design, Operating Systems, Computer Networks, APIs, Database Management Systems, Agile Methodology

**Additional Skills:** Frontend-Backend Integration, Full-Stack Development, Problem Solving, System Design Basics, LLM integration