

# Velamakanni Venkata Sai Adithya

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## CAREER OBJECTIVE

As an aspiring graduate with a strong foundation in web development, programming, and machine learning, I am eager to apply my knowledge in a dynamic, growth-oriented environment. Passionate about problem-solving and building efficient web solutions, I am committed to continuous learning and improving my technical expertise.

## SKILLS

- **Programming Languages:** Python, Java
- **Web Technologies:** HTML, CSS, JavaScript, ReactJS
- **Tools:** Git, Github
- **Machine Learning:** Numpy, Pandas, Matplotlib, Scikit-Learn
- **Databases:** MySQL
- **Soft Skills:** Problem Solving, Analytical Thinking, Communication

## PROJECTS

### 1. Redis Clone – Secure In-Memory Key-Value Store with Web UI

Built a high-performance key-value store with role-based API authentication, TTL support, API key security, real-time logging, and a Web UI dashboard for seamless key management. Implemented queue operations, hash storage, and atomic increment/decrement, ensuring scalability, security, and efficiency.

### 2. AI Resume Builder App Using React, Vite, Tailwind CSS, Strapi (Headless CMS), and Clerk (Authentication)

Developed a dynamic AI-powered resume builder using React, Vite, Tailwind CSS, Strapi, and Clerk. Implemented interactive UI components for seamless resume creation and customization. Utilized Strapi as a headless CMS to manage and store user-generated resume data efficiently. Integrated Clerk for authentication, ensuring secure access and user management. Designed a modern, responsive UI with Tailwind CSS, optimizing user experience and performance.

### 3. AI-Powered Code Reviewer Using Gemini API & MERN Stack

Developed an AI-driven code review system using Gemini API to analyze syntax, detect security vulnerabilities, and suggest performance optimizations. Built an interactive web dashboard for users to submit code and receive AI-generated feedback in real time. Implemented intelligent recommendations to enhance code readability, efficiency, and best practices.

### 4. Predictive Analytics for Customer Churn in Subscription Services using Python, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, SQL and MLFlow

Developed a customer churn prediction model using Python, Scikit-learn, and SQL, achieving 85% accuracy with Logistic Regression and Random Forest. Conducted exploratory data analysis (EDA) with Pandas and Seaborn to uncover key churn drivers, improving feature engineering. Integrated MLFlow for model tracking and experiment management, ensuring reproducibility and performance optimization. Leveraged SQL for efficient data preprocessing and pipeline automation, enabling scalable training on large datasets.

## CERTIFICATIONS

- Programming essentials in Python - [Cisco Networking Academy](#)
- Complete AI, Machine Learning and Data Science Bootcamp - [Udemy](#)

## EDUCATION

### Marri Laxman Reddy Institute of Technology and Management

B. Tech in Electronics and Communication Engineering  
CGPA: 8.59

Dundigal, Hyderabad

2021-2025

### Sri Chaitanya Junior College

Intermediate  
Percentage: 96.6%

Kukatpally, Hyderabad

2019-2021

### Sri Chaitanya School Techno Curriculum

10<sup>th</sup> Grade  
CGPA: 9.7

Kukatpally, Hyderabad

2018-2019