

TAMMISETTI VIKRAM

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Profiles

GitHub

[TammisettilVikram](#)

Portfolio

[Portfolio](#)

Summary

Backend-focused Software Engineer with hands-on experience building REST APIs, authentication systems, and reliability monitoring tools. Strong in Python, FastAPI/Flask, PostgreSQL, and backend system design. Built production-style projects with cold-start awareness, failure handling, and persistent monitoring logic.

Education

Mandava Institute Of Engineering & Technology

B.Tech in Computer Science & Engineering • 68%

Computer Science & Engineering

2022 - 2026

GOVT.Jr.College AP

Senior Secondary (XII), BIEAP in Science • 64%

Science

2022

ZPHS Pothavaram

Secondary (X), BSEAP • 95%

2020

Projects

SentientShop – Full Stack E-Commerce Platform

January 2026 - February 2026

SentientShop is a production-ready full stack e-commerce application built with Django REST Framework and React. It supports product management, cart and checkout, Stripe payments, role-based access control, reviews, and admin dashboards. Designed to demonstrate real-world backend architecture, API design, secure authentication, and cloud deployment.

<https://sentientshop-frontend.vercel.app>

SentinelCore - A Backend Reliability & Observability Engine

December 2025 - January 2026

A full-stack monitoring system that tracks uptime, latency, and failure streaks of APIs and websites in real time. Built to demonstrate backend systems thinking, cold-start awareness, and production-style monitoring logic.

<https://sentinelcore-vikram.vercel.app>

Tasks Management

December 2025 - January 2026

This project implements a secure, scalable REST API with JWT-based authentication, RBAC, and CRUD operations on a secondary entity (Tasks). React frontend is included to demonstrate and interact with the APIs.

<https://task-management-mauve-tau.vercel.app>

ResNet18-CIFAR10-Image-Classifier

October 2025 - December 2025

ResNet18 CIFAR-10 Image Classifier. A demo Space showcasing a ResNet18 model fine-tuned on CIFAR-10 for image classification. Upload an image or select from sample inputs to see predictions across 10 categories: airplane, automobile, bird, cat, deer, dog, frog, horse, ship, truck.

<https://huggingface.co/spaces/TAMMISETTIVIKRAM/ResNet18-CIFAR10-Image-Classifier>

Skills

★ Backend & Databases

Python, FastAPI, Flask, Django, PostgreSQL, SQL, SQLAlchemy, REST API design, JWT Authentication

★ Frontend

React.js, HTML, CSS, JavaScript, Tailwind CSS

★ Tools & Platforms

Git, GitHub, Docker, Postman, Heroku, Vercel, Hugging Face Spaces, Railway, Render, Supabase, Stripe API

Machine Learning

PyTorch, torchvision, transfer learning, Image classification, data augmentation

Certifications

Java Full Stack

April 2025

Mandava Institute Of Engineering And Technology, Jaggayyapet

Interests

Open Source

Contributed to Open Source on GitHub, fixed bugs and added features to open-source Python projects.