

TAMMISETTI VIKRAM

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Profiles

👤 GitHub

TammisettiVikram

⭐ 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

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

⭐ **Machine Learning**

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

Certifications

Java Full Stack

April 2025

Mandava Institute Of Engineering And Technology, Jaggaiahpet

Interests

☆ Open Source

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