

# TAMMISETTI VIKRAM

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## Profiles

 [GitHub](#)

[TammisettiVikram](#)

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[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.	
<a href="https://sentientshop-frontend.vercel.app">https://sentientshop-frontend.vercel.app</a>	

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.	
<a href="https://sentinelcore-vikram.vercel.app">https://sentinelcore-vikram.vercel.app</a>	


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.	
<a href="https://task-management-mauve-tau.vercel.app">https://task-management-mauve-tau.vercel.app</a>	

ResNet18-CIFAR10-Image-Classifer	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.	
<a href="https://huggingface.co/spaces/TAMMISETTIVIKRAM/ResNet18-CIFAR10-Image-Classifer">https://huggingface.co/spaces/TAMMISETTIVIKRAM/ResNet18-CIFAR10-Image-Classifer</a>	


## 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.