AJAY SUSEEL

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Aspiring deep learning engineer with hands-on experience in computer vision and finetuning vision–language models.

Education

TKM College of Engineering, Kollam   2022 – 2026
B.Tech in Computer Science and Engineering; CGPA: 9.85

St Antony's Public School, Anakkal   2022
Higher Secondary (Maths & Biology); 96.6%

Technical Skills

Languages: Python, Java, C
Frameworks: PyTorch
Tools: Scikit-learn
Databases: MySQL

Experience

TechSaksham Internship – Edunet Foundation & AICTE   2025
Built a Streamlit app that predicts calories burned from inputs like age, gender, BMI, and heart rate using a Random Forest model.

Projects

Out-of-Label Hazard Detection in Autonomous Driving: Developed a Vision Language Model-based system that uses finetuned BLIP for scene captioning, then feeds those captions into a Graph Neural Network to classify novel driving hazards based on severity level. Built in PyTorch.

Local Hazard and Disaster Management System: Developed a comprehensive database and user-friendly interface to help local panchayats record, manage, and respond to disasters effectively. Built using React, Node.js, Express, and PostgreSQL.

Relevant Coursework

- Neural Networks and Deep Learning
- Advanced Topics in Machine Learning
- Microprocessors and Microcontrollers
- Data Structures

Certifications

- Data Mining (NPTEL) – Elite Gold Medalist
- Programming, Data Structures and Algorithms using Python (NPTEL) – Elite Silver Medalist
- Supervised Machine learning : Regression and Classification – Coursera

Extracurriculars

- Participated in Useless Projects Hackathon organised by TinkerHub
- Participated in Hack4Tkm Hackathon - internal hackathon for Smart India Hackathon