# CHANDAN KUMAR SAH

AI/ML Engineering Student | Python • Machine Learning • Computer Vision • NLP • MLOps

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## CAREER OBJECTIVE

AI/ML undergraduate experienced in building end-to-end ML systems across computer vision, NLP, and network security, seeking an internship to apply Python, model deployment (FastAPI, Docker), and AWS skills to real-world AI problems.

## EDUCATION

**KPR Institute of Engineering and Technology (Autonomous, NAAC 'A')** Coimbatore, India

*B.Tech, Artificial Intelligence & Machine Learning | Expected Graduation: Oct 2028 | CGPA: 7.6 (till 3rd year)*

10th & 12th Grade: 63%

## TECHNICAL SKILLS

- Languages & Core: Python, SQL
- ML/AI: Machine Learning, Deep Learning, Computer Vision, NLP, Scikit-learn/PyTorch-style workflows
- MLOps & Deployment: FastAPI, Docker, Model deployment pipelines
- Cloud: AWS (EC2, Route 53, Elastic Load Balancer)
- Data & Graph: Neo4j (graph analytics)
- Tools: Git/GitHub, VS Code

## PROJECTS

**HaemaScan – Visual Anaemia Detection System** | *Computer Vision, Python, HTML*

- Built a computer-vision-based healthcare application to screen for anaemia from images, offering an alternative to traditional laboratory blood tests.

**NetSentinelAI – AI-Powered Network Intrusion Detection** | *Python, Machine Learning*

- Developed a real-time network security system that monitors live traffic, detects anomalies using ML models, and automatically mitigates cyber threats.

**MindCare AI – Mental Wellness & Emotion Detection Platform** | *Python, Machine Learning*

- Created an AI-powered platform for mental wellness support, using emotion detection models to assess user state and provide support cues.

**FinTrace – Financial Fraud Intelligence & Investigation Platform** | *Python, ML, Neo4j, FastAPI*

- Built a fraud-detection platform combining rule-based modules with a machine learning ensemble and graph-based (Neo4j) explainability, producing evidence-linked fraud signals traceable to source data.

**OpenEnv / Shadow Supervisor – Multi-Agent AI Environments** | *Python, PyTorch*

- Built agent-environment simulation workflows (state, action, reward) for multi-agent AI experimentation; qualified Round 1 of the Meta PyTorch OpenEnv Hackathon x Scaler (see Achievements).

## INTERNSHIPS & CERTIFICATIONS

**Machine Learning Intern — Unified Mentor Pvt. Ltd.** Jun 2026 – Jul 2026

*Completed a one-month internship applying ML concepts on practical tasks; recognized for consistency and strong work ethic.*

**Python Developer Intern — Geeks Kepler (Unstop Tech Fair 2025)** 2025

*Completed a Python development internship track as part of Unstop Tech Fair 2025.*

**AWS Fundamentals for Cloud Practitioners — Nminds Academy, Erode** Aug 2025

*One-credit course covering cloud fundamentals, EC2, Route 53, and Elastic Load Balancer, with hands-on webserver deployment.*

## ACHIEVEMENTS & PARTICIPATION

- Round 1 Qualified — Meta PyTorch OpenEnv Hackathon x Scaler School of Technology, as part of Team Neural Nexus (Apr 2026), recognized for strong technical proficiency and problem-solving.
- Participant — Adobe University Hackathon, organized by Adobe via Unstop (Aug 2026).
- Participant — IEEE session on “Instrumentation and Advanced Measurement Techniques in Biomechanics,” IEEE Instrumentation & Measurement Society, KPR Institute of Engineering and Technology (Apr 2025).
- Participant — Career Advancement Program, EDU TANTR.