

EDUCATION

Bachelor of Technology in CSE (Data Science), Current CGPA: 9.50

School

Class 12th, Percentage: 92.8% (Mathematics, Physics, Chemistry)

EXPERIENCE

Project Engineer

Remote

- Developing full-stack applications (React.js, Node.js/Express, Python, Django), ensuring **coding standards, unit testing, and integration testing** for high-quality deliverables.
- Building cloud-native applications on **Google Cloud Platform and AWS**, practicing **teamwork**, problem solving, and continuous learning in collaborative environments.

Software Engineer

- Architected property management platform with React.js, Node.js, and PostgreSQL, implementing real-time chat and advanced search, boosting engagement by 35% and Backend in Springboot.
- Designed ML-based recommendation system with TensorFlow, improving property match accuracy by 25%, following **quality testing and problem-solving practices**.

Backend Developer

Remote

- Developed predictive models in Python (pandas, scikit-learn), deployed via REST APIs with Docker, ensuring software testing compliance.
- Created React + Plotly dashboards, reducing stakeholder decision-making time by 40% through clear communication and data visualization.

Computer Vision Research Scientist Intern

Remote

National Chung Cheng University, Taiwan

- Developed accident detection systems with OpenCV and TensorFlow, achieving 92% accuracy with reproducible coding practices.
- Collaborated with global teams, practicing **teamwork, adaptability, and communication** while publishing research findings.

Android Developer

SRM Hospitals

- Built Flutter-based cross-platform mobile app with Firebase backend, implementing **secure coding and compliance standards**.
- Developed Python + SQL dashboards in Django, reducing manual reporting time by 30% and supporting team efficiency.

KEY PROJECTS

Blockchain-Secured PII Data Masking Platform

Ethereum, Solidity, Python, Django, IPFS

- Designed secure data platform using blockchain and cryptography, ensuring **compliance, testing, and quality standards**.
- Built AI model for PII detection with Python (NLP + ML) and smart contracts for decentralized access control, reducing breach risk by 85%.

6G AI-Native Network Slice Orchestration

Python, TensorFlow, Kubernetes, gRPC

- Implemented ML-driven slice allocation, improving resource use by 45%.
- Built orchestration platform with Kubernetes + APIs, following **coding standards, problem-solving, and collaboration**.

AI-Powered Accident Detection System

Python, TensorFlow, OpenCV

- Built CNN-based accident detection system, achieving 94% accuracy, tested across large datasets.
- Optimized for edge deployment, reducing compute needs by 35% while ensuring quality compliance.

██████████: Deep Learning Image Colorization Python, █████, █████

- Developed GAN-based colorization model, improving output quality by 20%.
- Optimized training pipeline, reducing processing time by 25% and applying **testing + code review best practices**.

ACHIEVEMENTS & PUBLICATIONS

Winner, █████ 6G Hackathon (████) – Built AI-native wireless optimization system, showing teamwork, adaptability, and innovation.

First Prize, HackTrax Hackathon – Delivered blockchain-based system with real-time processing, applying coding and problem-solving skills.

Research Publication: “Real-Time Accident Detection with Deep Learning” – Presented at ICPR.

Global Rank 496, █████ (Top 1% globally) – Competitive programming and algorithm design.

Top █████ Global, Meta Hacker Cup – Problem solving, algorithms, and coding standards under time constraints.

CERTIFICATIONS & TRAINING

██████ AI/ML AICTE Virtual Internship – Hands-on ML training in █████ and problem-solving projects.

NPTEL Python for Data Science – Elite Grade (Top 2%), covering data analysis, visualization, and quality testing.

██████ Certified Developer Associate – Cloud deployments, containerization, and scalable application practices.

TECHNICAL SKILLS

Languages: Python, █████, C++, █████ Script, SQL

██████ Technologies: █████ (████), █████, █████, █████

Web Development: █████.js, █████.js, █████, █████, █████, █████

Databases: █████, █████, █████, █████

AI/ML: █████, █████, █████-learn, █████, █████, CNNs

██████: █████, █████, █████, █████, █████, █████, █████ Testing

Other: █████, D3.js, █████, APIs, █████, █████, Communication