Saad Khazi Ahmed

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Summary

Computer Science (AI & ML) undergraduate with hands-on experience building AI-powered applications, machine learning pipelines, and cloud-enabled software through internships and real-world projects. Strong foundation in software engineering, backend development, cloud computing, and problem solving.

Education

Vidya Jyothi Institute of Technology — Hyderabad, Telangana
B.Tech – Computer Science & Engineering (AI & ML) | CGPA: 8.96/10 — *2023 – 2027*

Narayana Junior College — Kurnool, Andhra Pradesh
Intermediate (MPC) | Score: 93% — *2021 – 2023*

Experience

AI Developer Intern | VISWAM.AI — May 2025 – June 2025
Meta × IIIT Hyderabad × Swecha Telangana – Telugu LLM Initiative — *Hyderabad, India*

- Built NLP data pipelines for a national-scale Telugu Large Language Model (LLM) using multilingual speech and text datasets.
- Developed preprocessing workflows involving data cleaning, annotation, deduplication, and corpus creation for model training.
- Designed scalable corpus ingestion pipelines for multilingual datasets.
- Collaborated with AI researchers on dataset validation, model evaluation, and data engineering.

Projects

Handwritten Mathematical Expression Recognition — GitHub
Python | Deep Learning | Computer Vision | OCR

- Developed the Handwritten Mathematical Expression Recognition (HMER) system to convert handwritten mathematical expressions into structured LaTeX using computer vision and sequence modeling.
- Implemented OCR, image preprocessing, and attention-based recognition for handwritten mathematical notation.
- Optimized model training and evaluation across handwritten datasets.

LLM-powered Cold Email Agent — GitHub
Python | LLMs | Prompt Engineering | REST APIs

- Built an AI-powered cold email platform using LLMs, reducing manual email creation by 20+ hours per week.
- Designed 25+ prompt templates, improving reply rates by 30–40% during testing.
- Built an end-to-end workflow integrating REST APIs, Supabase, and Vercel for scalable email generation and delivery.

Smart Parking System
IoT | NodeMCU | Embedded Systems

- Designed and developed a real-time IoT parking management system capable of monitoring 10+ parking slots.
- Achieved approximately 95% vehicle detection accuracy through hardware-software integration.
- Implemented automated parking slot monitoring with live parking status updates.

Technical Skills

Languages: Java, Python, Go, C, SQL, JavaScript
AI/ML: Machine Learning, NLP, LLMs, Prompt Engineering, Computer Vision, OCR
Cloud/Tools: AWS, Cloud Computing, DevOps, Jenkins, Docker, Kubernetes, Power BI, Excel, Flask, Django, Git, GitHub, REST APIs, Supabase, Vercel
Core CS: DSA, OOP, DBMS, Operating Systems, Computer Networks

Achievements & Certifications

- Finalist, HackForge 2.0 (ISL Engineering College); Participant, CodeStreet Hackathon (American Express) and ISRO Bharatiya Antariksh Hackathon.
- PwC Cloud Engineering, Data & Analytics (CEDA) Launchpad Program; Cisco Python Essentials; Cisco C Essentials; Cisco Data Analytics Essentials; Infosys Machine Learning using Python; Red Hat Linux Fundamentals.