

EDUCATION

Indian Institute of Information Technology, Dharwad
B.Tech in Data Science & Artificial Intelligence — Minor in Quantum Computing

Expected June 2027
CGPA: 8.17

PROFESSIONAL EXPERIENCE

- Hindustan Aeronautics Limited (HAL)** Summer 2025
AI Engineer Intern Bengaluru
- Built a RAG-based Snag Rectification System (LangChain + FAISS) on 18,000+ historical records, achieving **90% retrieval accuracy**
 - Developed a secure MERN interface with JWT-based RBAC, reducing manual troubleshooting time by **60%**
 - Implemented metadata-aware chunking and vector indexing to minimize LLM hallucinations
- Kleanify** Sep–Oct 2025
AI Automation Intern Remote
- Built a scalable CSV ingestion pipeline (n8n, FastAPI, Supabase) handling **3+ weekly data sources**
 - Developed a React-based data mapping UI, reducing manual data preparation time by **88%** (4+ hrs → 30 mins/week)
 - Engineered staging workflows with fuzzy matching and validation rules, achieving **95%+ data quality**
- IIIT Dharwad** Jan 2025 – Present
Undergraduate Research Fellow
- Researching a hybrid architecture combining **ResNet-50, Vision Transformer, and Quantum Neural Networks (PennyLane)** for cyclone intensity estimation from multispectral satellite imagery

PROJECTS

- AGILITY – Agile Developer Productivity Platform** GitHub
- Tech:* VS Code Extension, Next.js, FastAPI, AST Parsing, RAG, LangChain, FAISS
 - Built a VS Code-integrated code intelligence pipeline using AST-based function and module-level semantic chunking
 - Implemented a RAG workflow by embedding AST-derived code chunks in FAISS to ground LLM-based code review suggestions
- DiagnosAI – AI-Powered Clinical Management System** GitHub
- Tech:* React, FastAPI, MongoDB, RAG, FAISS, Gemini, Med42, Sarvam AI STT, LSTM
 - Built an end-to-end clinical portal with real-time transcription, automated medical document ingestion, and AI-powered diagnosis generation
 - Implemented a multi-modal RAG system combining MongoDB-based patient context retrieval and FAISS-powered PDF search with JWT-based RBAC
- MOODIT – Reddit-powered Sentiment Intelligence Platform** GitHub
- Tech:* FastAPI, React, RoBERTa, RAG, Gemini API, Time-Series Forecasting
 - Built a sentiment analysis system using RoBERTa and time-series forecasting to predict sentiment trends
 - Implemented a RAG pipeline to ground Gemini-based analytical Q&A with embedded Reddit discussions and interactive dashboards

ACHIEVEMENTS

- Winner, Inter-IIIT National Hackathon 2026 — 1st place among 22 IIITs
- Max Rank 88 (Day 2), Amazon ML Challenge 2025 — Top 0.35% among 84K+ teams
- Winner, CODA (Clash of Data Analysts), 2024 — 1st place among 60+ teams

TECHNICAL STRENGTHS

Languages	Python, JavaScript/TypeScript, C++, SQL
Core Subjects	Data Structures & Algorithms, System Design, Operating Systems, Computer Networks, DBMS, OOP
Frameworks	React, Next.js, FastAPI, Node.js, Express
Infra & DevOps	Docker, Kubernetes, Kafka, Redis, Git, CI/CD
Databases	MongoDB, PostgreSQL (Supabase)
ML & AI	RAG, LangChain, FAISS, HuggingFace, Gemini API, PennyLane, TensorFlow, scikit-learn