

NAGA CHARAN DONGA

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SUMMARY

Aspiring AI/ML Developer and Full Stack Engineer with extensive experience in the MERN & Python stacks. Proven expertise

SKILLS

AI/ML & Data Science: LLMs (GPT, Llama), Transformer Architecture, Fine-tuning, LangChain, Generative AI, Computer Vision

Programming & Backend: Python (Expert), JavaScript (ES6+), Java, C++, Flask, Django, FastAPI, Node.js, RESTful APIs.

Frontend: ReactJS, TailwindCSS, Bootstrap, Streamlit, Leaflet.js.

Databases: MongoDB, PostgreSQL, MySQL, Firebase, Vector Databases (Pinecone/ChromaDB).

Tools & DevOps: Git, Docker, Linux, Postman, AWS, Vercel, CI/CD, Jupyter Notebooks.

IoT: ESP32, Arduino, PCB Design, Drone Systems, Sensor Fusion.

EXPERIENCE

IndoNalandaTech | Full Stack & AI Intern | January 2025 – Present

- Architected and deployed a company-wide AI Chatbot using LLMs and LangChain, fine-tuning models on proprietary datasets.
- Developed a real-time Drone Monitoring System integrating AI Vision models for automated surveillance and anomaly detection.
- Engineered a scalable Exam Portal using the MERN stack and Flask, implementing secure JWT authentication and automated grading.
- Optimized deployment workflows via CI/CD pipelines on AWS, reducing system downtime by 70%.

Ediglobe | Cybersecurity Intern | September 2025 – November 2025 (Upcoming)

- Conducted vulnerability assessments and penetration testing to secure internal API endpoints.
- Implemented HTTPS, data encryption, and system hardening protocols to protect sensitive user data.

PROJECTS

AI-Powered Generative Chatbot | LangChain, HuggingFace, Flask

- Developed a RAG (Retrieval-Augmented Generation) based chatbot to handle company-specific documentation queries.
- Performed data cleaning and tokenization of unstructured text data to optimize LLM performance.
- Integrated the model via a REST API to a React frontend, providing 24/7 automated support.

IoT Drone Surveillance System | Python, OpenCV, IoT

- Integrated AI vision models with drone hardware for real-time object detection and tracking.
- Collected and preprocessed image data to train custom YOLO models, achieving high precision in outdoor environments.
- Selected for the Smart India Hackathon (SIH) for this AI-integrated solution.

HM NutriBox (Startup Project) | ReactJS, Node.js, MongoDB

- Built a full-stack e-commerce platform for fruit subscriptions with integrated payment gateways.
- Designed a responsive UI/UX that handled 500+ concurrent users during peak hours.

RFID-Based Attendance System | ESP32, Firebase, Python

- Developed an automated IoT solution reducing manual attendance processing time by 80%.
- Created a data visualization dashboard to monitor student attendance trends in real-time.

EDUCATION

Swarnandhra College of Engineering & Technology | 2022 – 2026

Bachelor of Technology in Computer Science | GPA: 7.25/10

Relevant Coursework: Machine Learning, Deep Learning, Data Structures & Algorithms, Database Management Systems, Web Development

ACHIEVEMENTS & CERTIFICATIONS

- National Finalist: Smart India Hackathon (SIH) – AI-Integrated Drone Solution.
- Leadership: Technical Quiz Coordinator (100+ participants) & College Web Master.
- Certification: Google AI/ML Virtual Internship (Eduskills).
- Certification: Python Full Stack Developer (Eduskills).