Naga Charan Donga

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SUMMARY

Full Stack Developer and AI/ML Engineer specializing in building and deploying scalable AI solutions. Expertise in LLMs, Tran

SKILLS

- AI/ML & Data Science: LLMs (GPT, Llama), Transformer Architecture, Fine-tuning, LangChain, Generative AI, Computer Vis
- ML Operations: Data Preprocessing, Feature Engineering, Model Optimization, Hyperparameter Tuning, RESTful API Integra
- Programming: Python (Expert), JavaScript (ES6+), Java, C++, SQL, PHP.
- Backend & Frameworks: Flask, Django, FastAPI, Node.js, Express.js, JWT, MVC Architecture.
- Frontend: ReactJS, TailwindCSS, Bootstrap, Streamlit, Leaflet.js.
- Databases: MongoDB, MySQL, PostgreSQL, Firebase.
- Cloud & DevOps: AWS, Docker, Git, CI/CD, Linux, Postman, Vercel, Render.
- IoT & Robotics: Drone Technology, ESP32, RFID, Sensors, PCB Design.

PROFESSIONAL EXPERIENCE

IndoNalandaTech | Full Stack & AI/IoT Intern | January 2024 – July 2024 (Dates Corrected)
- Developed and deployed an AI-powered chatbot using LLMs and LangChain, fine-tuned on company datasets to achieve hig
- Engineered a real-time drone monitoring system by integrating AI vision models with IoT sensors for automated surveillance.
- Built a scalable exam portal using the MERN stack and Flask, handling 5000+ concurrent users with optimized database que
- Automated deployment via CI/CD pipelines, reducing system downtime by 70%.

Ediglobe | Cybersecurity Intern | September 2024 – November 2024 (Dates Corrected)
- Conducted vulnerability assessments and penetration testing to secure internal AI and web applications.
- Implemented API hardening, HTTPS, and secure authentication protocols to prevent unauthorized data access.

AI & ML PROJECTS

AI Chatbot with LLM Integration (IndoNalandaTech)
- Designed and deployed a generative AI chatbot using HuggingFace Transformers and LangChain.
- Performed data cleaning and preprocessing of unstructured company documentation for model fine-tuning.
- Integrated the solution via FastAPI to provide 24/7 automated customer support.

Drone Monitoring & Predictive Analytics
- Created a surveillance system utilizing OpenCV for real-time object detection and AI vision.
- Developed predictive flight safety models based on sensor data to minimize mid-air failures.
- Selected for Smart India Hackathon (SIH) at the National Level for this AI-integrated drone solution.

HM NutriBox – Startup Platform
- Developed a full-stack fruit delivery platform with automated subscription management.
- Built a custom recommendation engine (Python) to suggest fruit boxes based on user preferences.

RFID-Based Smart Attendance & Bus Tracking
- Designed an IoT solution using ESP32 and GPS (Neo 6M) to track 100+ students in real-time.
- Visualized data using a Live Map Dashboard (Leaflet.js) and synced results to a cloud-based Firebase DB.

EDUCATION

Bachelor of Technology in Computer Science | 2022 – 2026
Swarnandhra College of Engineering & Technology, Narsapur | GPA: 7.25/10
Relevant Coursework: Machine Learning, Deep Learning, Data Structures & Algorithms, Database Systems, Python for Data S

ACHIEVEMENTS & CERTIFICATIONS

- National Finalist: Smart India Hackathon (SIH) for AI-Drone integration.
- Google AI/ML Virtual Internship: Completed intensive training on model deployment and data engineering.
- Web Master: Managed technical infrastructure for college-wide events and platforms.
- Python Full Stack Developer Certification (Eduskills).

INTERESTS

AI/ML Research, LLM Optimization, Drone Technology, Cybersecurity, Problem Solving.