

NAGA CHARAN DONGA■

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PROFESSIONAL SUMMARY■

Innovative AI/ML Engineer and Full Stack Developer with expertise in the MERN and Python stacks. Specialized in developing

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TECHNICAL SKILLS■

- * **AI/ML & Data Science:** LLMs (Fine-tuning, HuggingFace), Transformer Architecture, LangChain, Generative AI, CNN, RNN.
- * **Data Engineering:** Data Cleaning, Preprocessing, Feature Engineering, Matplotlib, Seaborn.■
- * **Backend & APIs:** Python (Flask, Django, FastAPI), Node.js, Express.js, RESTful APIs, JWT.■
- * **Frontend:** ReactJS, JavaScript (ES6+), TailwindCSS, Bootstrap, Streamlit.■
- * **Databases:** MongoDB, PostgreSQL, MySQL, Firebase.■
- * **DevOps & Cloud:** AWS, Docker, Git, CI/CD, Linux, Vercel, Render.■
- * **IoT:** ESP32, RFID, Drone Technology, GPS Integration, PCB Design.■

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PROFESSIONAL EXPERIENCE■

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IndoNalandaTech | *Full Stack & AI/IoT Intern* | Jan 2025 – Present■

- * **Model Development & Deployment:** Developed and fine-tuned an AI chatbot using LLMs and Transformer models, improving its conversational abilities and user satisfaction.
- * **Full Stack Integration:** Designed a scalable exam portal and company website using React, Flask, and MongoDB, facilitating seamless data integration and user interaction.
- * **AI-IoT Integration:** Built a real-time drone monitoring system utilizing AI vision models for surveillance and predictive analysis, ensuring timely and accurate data delivery.
- * **Optimization:** Implemented CI/CD pipelines and automated deployment strategies, reducing system downtime by 70%.■

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Ediglobe | *Cybersecurity Intern* | Sept 2024 – Nov 2024■

- * **Security Assessment:** Conducted penetration testing and vulnerability assessments, identifying and mitigating critical security risks in various software applications.
- * **API Hardening:** Implemented secure authentication protocols (HTTPS, JWT) and encryption methods to ensure data integrity and user privacy.

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PROJECTS■

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AI Chatbot & Knowledge Assistant (IndoNalandaTech)■

- * Utilized LangChain and HuggingFace to build a RAG-based (Retrieval-Augmented Generation) chatbot.■
- * Performed data cleaning and preprocessing on unstructured company documentation to create a high-quality vector database.■

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Drone Monitoring & Surveillance System (IndoNalandaTech)■

- * Integrated IoT sensor data with AI models to perform real-time object detection and flight path optimization.■
- * Developed a cloud-based dashboard for data visualization and remote monitoring.■

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HM NutriBox (Startup Project)■

- * Engineered a full-stack subscription platform using ReactJS and Node.js.■
- * Integrated secure payment gateways and real-time order tracking, managing the complete lifecycle of user data.■

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RFID-Based Student Attendance System■

- * Developed an IoT solution using ESP32 and RFID cards, syncing data to a cloud dashboard.■
- * Reduced manual administrative processing time by 80% through automated data collection.■

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EDUCATION■

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Bachelor of Technology in Computer Science | 2022 – 2026■

Swarnandhra College of Engineering & Technology, Narsapur | GPA: 7.25/10■

- * *Relevant Coursework.* Data Structures & Algorithms, Machine Learning, Deep Learning, Database Management Systems, etc.

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ACHIEVEMENTS & CERTIFICATIONS■

- * **Smart India Hackathon (SIH):** Selected for National Level for an AI-integrated drone solution.■
- * **Leadership:** Technical Quiz Program Coordinator (100+ participants); Web Master for college technical events.■
- * **Certifications:** Google AI/ML Virtual Internship (Eduskills); Python Full Stack Developer (Eduskills).■