

BALU ARETI

Hyderabad, India

+91-9989959725 | balumahendraareti@gmail.com | linkedin.com/in/balu-areti | github.com/balu1006

ABOUT ME

Dynamic MCA graduate and innovative technologist recognized for delivering impactful AI-driven solutions. Proven ability to blend advanced technical skills with creative vision to build robust projects end-to-end. Known for intuitive problem-solving, rapid learning, and a passion for applying emerging technologies to real-world challenges.

EXPERIENCE

Infosys Springboard Internship <i>Intern</i>	October 2024 – January 2025 <i>Remote, India</i>
<ul style="list-style-type: none">Completed hands-on training in Software Development and AI Technologies. Worked on real-world projects and built applications using Python, Machine Learning, and Web Development.Developed an Object Recognition System using Deep Learning and OpenCV.Learned about Agile Methodologies, Version Control, and CI/CD Pipelines.	
Tech Mahindra (AWS re/Start Program) <i>Cloud Computing Trainee</i>	December 2023 – March 2024 <i>Visakhapatnam, India</i>
<ul style="list-style-type: none">Completed a 12-week AWS re/Start program, gaining expertise in AWS Cloud services, security, and architecture.Achieved a certification score of 864/1000 on the AWS Cloud Practitioner exam.Gained practical knowledge of Linux, Python, Networking, Security, and Databases.	
Front-End Developer Trainee (Meta Certification) <i>Coursera</i>	Feb 2023 – August 2023 <i>Hyderabad, India</i>
<ul style="list-style-type: none">Completed an intensive professional specialization authorized by Meta, mastering React.js, JavaScript, and Version Control.Developed 3+ dynamic capstone projects, focusing on responsive UI/UX and achieving a 40% improvement in engagement metrics.Optimized website performance by 30% through efficient DOM manipulation and asset management strategies.	

PROJECTS

AI-Powered Fake News Detector <i>Python, PyTorch, Flask, Docker, NLP</i>	May 2025
<ul style="list-style-type: none">Orchestrated an end-to-end MLOps pipeline, from fine-tuning a BERT model on Google Colab (GPU) to deploying a full-stack web application for real-time analysis.Engineered a hybrid credibility engine to mitigate AI model bias, blending NLP-based predictions (96% accuracy) with rule-based source reputation for a more reliable assessment.Containerized the application using a multi-stage Dockerfile and deployed it as a live service on Hugging Face Spaces, managing the full CI/CD pipeline from Git.Live Demo GitHub Repository	
Object Recognition System <i>Python, OpenCV, TensorFlow, Flask</i>	Jan 2025
<ul style="list-style-type: none">Designed and developed a real-time object recognition system for detecting and classifying objects.Implemented custom training models using TensorFlow and OpenCV.Created a web-based interface for user interaction and model visualization.Improved accuracy by 20% through fine-tuning deep learning algorithms.GitHub Repository	
Intelligent Portfolio Architecture <i>React.js, Tailwind, Framer Motion, Vite</i>	Jan 2025
<ul style="list-style-type: none">Architected a high-performance Single Page Application (SPA) using React and Tailwind CSS, achieving a 100/100 Lighthouse performance score.	

- Built a modern dark-theme interface with gradient layers and smooth page-transition animations using **Framer Motion**, enhancing user experience and responsiveness.
 - Integrated a serverless contact workflow using **Formspre**e and automated deployments with **GitHub Actions** for continuous delivery (CI/CD).
 - Optimized asset bundling with **Vite**, reducing initial load time and improving runtime performance.
- [Live Portfolio](#) | [GitHub Repository](#)

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, SQL, C

AI & Machine Learning: PyTorch, TensorFlow, Scikit-learn, OpenCV, Pandas, NLP, Deep Learning

Web Development: React.js, Flask, Tailwind CSS, HTML5, CSS3

DevOps & Cloud: AWS, Docker, Git, GitHub Actions, CI/CD, Linux

Core Concepts: Data Structures & Algorithms (DSA), System Design, OOP, DBMS, MLOps, Agile

EDUCATION

Kalinga Institute of Industrial Technology (KIIT University)

2023 – 2025

Master of Computer Applications (MCA) | **CGPA: 9.5/10.0**

Bhubaneswar, Odisha

- **Relevant Coursework:** Data Structures & Algorithms (DSA), OOP, DBMS, Operating Systems, System Design, AI Tools, Web Technology, Cloud Computing.

Acharya Nagarjuna University

July 2017 – May 2021

Bachelor of Hotel Management

Visakhapatnam, Andhra Pradesh

- **Core Competencies:** Operations Management, Team Leadership, Human Resources, Accounting & Finance.

CERTIFICATIONS

AWS Certified Cloud Practitioner

March 2024

Amazon Web Services (AWS)

- Certified in fundamental AWS cloud concepts, including services, security, economics, and architecture.

Frontend Developer Professional Certificate

August 2023

Meta (Coursera)

- Frontend development, showcasing proficiency in HTML5, CSS3, and JavaScript for web development.

Infosys Artificial Intelligence Primer Certification

August 2024

Infosys

- Score: 67.5%. Proficiency in AI fundamentals, ML, Data Science, NLP, and RPA.

Infosys Principles of Generative AI Certification

August 2024

Infosys

- Score: 85%. Proficiency in LLMs, GPT-3, generative models, and prompt engineering.