

BALU ARETI

Hyderabad, India

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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

October 2024 – January 2025

Intern

Remote, India

- 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)

December 2023 – March 2024

Cloud Computing Trainee

Visakhapatnam, India

- 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)

Feb 2023 – August 2023

Coursera

Hyderabad, India

- 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 | Python, PyTorch, Flask, Docker, NLTK

May 2025

- 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 | Python, OpenCV, TensorFlow, Flask

Jan 2025

- 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 | React.js, Tailwind, Framer Motion, Vite

Jan 2025

- 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 **Formspree** 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)
Master of Computer Applications (MCA) | CGPA: 9.5/10.0
• **Relevant Coursework:** Data Structures & Algorithms (DSA), OOP, DBMS, Operating Systems, System Design, AI Tools, Web Technology, Cloud Computing.

2023 – 2025
Bhubaneswar, Odisha

Acharya Nagarjuna University
Bachelor of Hotel Management
• **Core Competencies:** Operations Management, Team Leadership, Human Resources, Accounting & Finance.

July 2017 – May 2021
Visakhapatnam, Andhra Pradesh

CERTIFICATIONS

AWS Certified Cloud Practitioner
Amazon Web Services (AWS)
• Certified in fundamental AWS cloud concepts, including services, security, economics, and architecture.

March 2024

Frontend Developer Professional Certificate
Meta (Coursera)
• Frontend development, showcasing proficiency in HTML5, CSS3, and JavaScript for web development.

August 2023

Infosys Artificial Intelligence Primer Certification
Infosys
• Score: 67.5%. Proficiency in AI fundamentals, ML, Data Science, NLP, and RPA.

August 2024

Infosys Principles of Generative AI Certification
Infosys
• Score: 85%. Proficiency in LLMs, GPT-3, generative models, and prompt engineering.

August 2024