

BOYI ESWAR REDDY

Full-Stack Developer · AI and ML Engineer · Tech Innovator

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Professional Summary

Innovative Computer Science Engineering student with hands-on experience in **Full-Stack Development, Data Science, and AI/ML projects**, including **real-time applications and cloud deployments**. Skilled in **MERN stack, Python, Java, SQL, and cloud platforms (AWS, OCI)**, with certifications in Generative AI, AWS, MongoDB, and Full Stack Development. Experienced in developing scalable web applications, building AI-driven solutions, and creating automation dashboards during internships in **full-stack development and data science**. Recognized for strong problem-solving, adaptability, and critical thinking, with a focus on leveraging AI insights to enhance user experience and decision-making.

Experience

Unified Mentor

Aug – Oct 2025

Full Stack Web Development Intern

Remote

- Developed and maintained responsive web applications using the MERN stack (MongoDB, Firebase, Express, React, Node.js).
- Implemented RESTful APIs, authentication mechanisms, and database integration to support scalable features.
- Optimized frontend performance, enhanced UI/UX, and deployed applications on cloud platforms.

Code Tech IT Solutions

Aug 2025

Data Science Intern

Remote

- Performed data preprocessing, cleaning, and exploratory data analysis to prepare datasets for modeling.
- Developed statistical and machine learning models with visual dashboards for actionable client insights.
- Introduced automated reporting (20 percent effort reduction) and contributed to team upskilling in data visualization.

Skills

- Languages:** Java (primary), JavaScript, Python, SQL, R
- Web Development:** HTML, CSS, React.js, Node.js, Express.js, Flask
- Databases:** MongoDB, MySQL, Firebase
- Tools & Platforms:** Git, GitHub, VS Code, REST APIs
- Cloud & Deployment:** AWS, Oracle Cloud, Netlify, Render, Vercel, Docker, Kubernetes
- ML & DL:** TensorFlow, PyTorch, Keras, Scikit-learn, NumPy, Pandas; Proficient in CNNs, RNNs, DL Algorithms
- Other Skills:** Data Structures, Algorithms, FastAPI

Projects

InQuiza - Interactive Quiz System

Aug 2025

- Developed a full-stack quiz platform with login, Google Sign-In, test creation, shareable links, attempt limits, and dashboards.
 - Implemented features such as shareable test links, one-question-per-page navigation, timers, PDF scorecards, and Google Sign-In.
- Technologies:** HTML, CSS, JavaScript (Vanilla), Node.js, Express.js, MongoDB Atlas, Netlify (frontend), Render (backend).

Aidea – AI Chatbot Web Application

July 2025

- Developed a responsive AI chatbot for queries, programming assistance and implemented code snippet copying functionality.
- Technologies:** HTML, CSS, Vanilla JS, Flask, Highlight.js, Clipboard.js, Responsive UI/UX.

Cattle Lameness Detection (ANUGO- AI)

May 2025

- Designed an AI system using ResNet, EfficientNet, YOLOv5 and Fast R-CNN for detecting lameness, and stress in livestock.
 - Integrated real-time video and IoT sensor data streams seamlessly for continuous monitoring, automated alerting via app and SMS.
- Technologies:** Python, Deep Learning, Computer Vision, TensorFlow, PyTorch, Flask, OpenCV.

Heart Rate Analyzer with BLE and ML Integration

Nov 2024

- Built a BLE-based heart rate monitoring system using ESP32 and Python to stream real-time vitals to a Node.js server.
 - Used similarity-based ML to predict health conditions from heart rate data; triggered alerts/calls for emergencies.
- Technologies:** ESP32, Python, BLE, React, Node.js, MongoDB, Twilio API, Nodemailer, CSV-based ML classification.

Frizzo Vending Machine with UPI

Dec 2023

- Developed an innovative vending machine integrating embedded systems, real-time control, and secure payment processing.
- Technologies:** Stripe, Python, Webhooks, QR Code Generation, Local Network APIs.

Education

Vellore Institute of Technology - AP

Present

Bachelor of Technology in Computer Science Engineering

CGPA: 8.66

Certifications

- Oracle Cloud Infrastructure Generative AI Professional - Oracle
- AWS Cloud Practitioner - Amazon Web Services
- MongoDB Associate Database Administrator - MongoDB
- JAVA Full Stack Development - Imarticus

July 2025

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Aug 2024