KOLLIPARA NIRANJAN

Email: Kolliparaniranjan23@gmail.com
Phone No: +91 9948010643
Github:https:github.com/niranjan230
Linkedin: linkedin.com/in/niranjan-kollipara

Career Objective

A Computer Science student with expertise in C++, Java, and Python, and experience delivering full-stack applications using React, Node.js, and Firebase. Committed to developing efficient, scalable software that drives real-world impact.

Education

JAIN (Deemed-to-be University), Bangalore **2022-2026**
BTech (Bachelor of Technology) in Computer Science and Engineering

Higher Secondary Education **2020-2022**
Fiitjee College,Vijayawada

Skills

Languages: C++,Javascript, Java, Python
SDK & Frameworks: Next.js, Node.js, Express,React,Streamlit
Tools & Technologies: MYSQL,MongoDB,PyCharm,Firebase,Git

Work Experience

Intern - Lumbini Technologies Pvt. Ltd **June 2025 - Present**

- Designed and developed a Quiz Module with role-based access for Admin, Faculty, and Student logins.
- Implemented MVC architecture for the Student Dashboard, ensuring a clean separation of concerns.
- Developed a responsive landing page using React to enhance UI/UX
- Conducted unit testing and performance testing to ensure functionality and optimize system efficiency

Intern- I Deploy Solutions **June 2024 - August 2024**

- Deployed the application with logging to monitor and analyze system behavior effectively.
- Contributed across UI, backend, and server layers to ensure seamless application performance.
- Performed unit testing to validate code reliability, accuracy, and maintainability.

Projects

Plywood Material Optimization Tool

- Built a Plywood Estimator tool using JavaScript and Node.js, applying the Guillotine Cutting Algorithm to reduce waste by 30% with 99% accuracy.
- Optimized cost and accuracy using CSP and FFD bin-packing, cutting material costs by 20%.
- Integrated Firebase for real-time sync and scalable cloud storage, ensuring reliable access for a growing user base.

Fake News Detection System

- Built a Fake News Detection system using Python, Streamlit, Scikit-learn, and NLTK, achieving over 95% accuracy.
- Designed a complete NLP pipeline with text preprocessing (stopword removal, lemmatization)
- Extracted features using CountVectorizer and TF-IDF to convert text into machine-readable format.
- Trained and evaluated models like Logistic Regression, Naive Bayes, SVM, and Random Forest with a real-time Streamlit UI