

# NITHIN AKIREDDY

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## Education

### Vellore Institute of Technology

*Bachelor of Technology in Computer Science – CGPA: 8.60*

**Nov 2021 – Present**

*Amaravathi, Andhra Pradesh*

### Narayana Junior College

*Class XII (BIEAP) – Marks: 988/1000*

**Jun 2019 – May 2021**

*Vijayawada, Andhra Pradesh*

## Skills

**Programming Languages:** Java, Python

**Core Computer Science:** Data Structures & Algorithms, Object-Oriented Programming, Operating Systems

**Frameworks & Tools:** MERN Stack (MongoDB, Express.js, React.js, Node.js), Git, VS Code

**Web Technologies:** HTML, CSS, JavaScript

**Technologies for Large-Scale Systems:** SQL, Relational Databases

**Optimization Techniques:** Linear Programming, Nonlinear Optimization

## Projects

### AI-Powered Counterfeit Currency Detection Using Deep Learning | *Deep Learning, Distributed Systems*

- Engineered a distributed AI system leveraging ResNet and InceptionV3, reaching 96% training accuracy and 92% test accuracy, enabling rapid and cost-efficient counterfeit detection.
- Optimized system performance by integrating tensor preprocessing and model feature fusion, reducing machinery costs by over 75%.

### Crypto Trading Website (Frontend) | *React.js, Material-UI, Distributed Architecture*

**GitHub Link**

- Architected a scalable, high-performance frontend for a crypto trading platform using React.js and Material-UI, enhancing user engagement by 20%.
- Applied Atomic Design methodology to build reusable UI components, optimizing for performance across devices.
- Collaborated with a cross-functional team to integrate distributed database solutions for backend data management.

## Experience

### Web Development Intern | *CodeAlpha — Remote*

**View Certificate**

- Designed and implemented a state-persistent multi-page survey form with distributed backend integration, ensuring 99% data accuracy and reliability.
- Created a scalable WordPress-based website for a Netflix clone, customizing themes, plugins, and CSS for enhanced user experience and performance.

## Positions of Responsibility

### Technical Co-Lead

**Aug 2023 – May 2024**

*The Node-Blockchain Club*

- Led a team to develop blockchain-based projects and organized technical workshops on blockchain technologies.

### Technical Member

**Jun 2022– Apr 2023**

*Computer Society of India (CSI)*

- Assisted in implementing scalable solutions for various technical projects within the club.(figma,portfolio etc...)

## Achievements & Certifications

- Showcased advanced skills in data structures and algorithms by earning distinguished LeetCode badges, including the 50 and 100 Days badges in 2023 and 2024, reflecting unwavering commitment and strong problem-solving capabilities.
- Reached the top 10 finalist in the National Hackathon conducted by VIT-AP University, demonstrating innovative problem-solving and teamwork abilities.
- Earned MERN Stack Certification, demonstrating expertise in full-stack web development using MongoDB, Express.js, React.js, and Node.js. [View Certificate]