

# MATHI PRAVEEN

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## Education

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Lakireddy Bali Reddy College Of Engineering

August 2022 - June 2026

Bachelor of Technology in Computer Science and Engineering (CGPA: 8.8 At Present )

Andhra Pradesh, India

## Experience

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LeanTech Labs

Jun 2024 – Present

Software Development Engineer Intern

Bangalore, India

- Developed a scalable web application capable of handling thousands of parallel users, utilizing **Redis** for backend caching and optimizing frontend performance to ensure a seamless user experience under high traffic conditions.
- Conducted **Cybersecurity Testing** to identify vulnerabilities and improve the security posture of the application.

## Projects

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Skelo.in - Learning Management System | *React, Node.js, PostgreSQL, Sockets, Redis, Rtk, Prisma* [Link](#)

- Status:** Production-ready, serving **5000+** users with secure exam features like face detection, audio monitoring, and tab switch detection.

Online Code Execution Engine | *TypeScript, JavaScript, Docker, Node.js*

[Link](#)

- Developed a secure code execution environment supporting **10+ programming languages** with sandbox isolation using **Docker containers**, and implemented robust **sandboxing mechanisms** and **resource limitations** to ensure secure code execution.

NPM Deployment Package | *Node.js, Python, GitHub*

[Link](#)

- Automated deployment tool for frontend projects to **GitHub** and **Vercel** using **Node.js**.

## Achievements

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- Won **1st prize** in the MERN Stack Hackathon (Team Leader).
- Secured **1st prize** in HackIT Hackathon (Team Leader).
- Co-ordinated** KGF Coding Contest successfully for Lakshya2k24 (Main Co-ordinator).
- Solved nearly **300 problems** across various competitive programming platforms, including LeetCode, GeeksforGeeks, etc.
- Github **200+ Contributions** from past 2 years.
- Reported a bug on **Smart-Interviews** and provided a fully workable solution.

## Technical Skills

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**Languages:** Java, Python, JavaScript, C, TypeScript

**Frontend:** React, Next.js, TailwindCSS, Redux, TanStack, Recoil

**Backend:** Node.js, Express.js, Prisma, RESTful APIs, GraphQL, WebSockets

**Databases:** PostgreSQL, MongoDB, MySQL, SQLite

**Cyber Security:** Penetration Testing, Vulnerability Assessment, Web Application Security

**DevOps:** Docker, CI/CD, AWS

**Version Control:** GitHub

**Testing:** Cypress, JMeter, K6

**Tools:** Burp Suite, Wireshark, Metasploit, Nmap, Kali Tools

**Servers:** Apache Tomcat, XAMPP **Operating Systems:** Linux (Ubuntu, Kali), Windows, macOS

**Caching:** Redis, Memcached, Content Delivery Networks (CDNs)