Roopesh Kumar Jonnakuti

Kakinada(Andhra pradesh), India ☎ +91-7036311198

✉ ruzkumar5@gmail.com | in (Linkedin) | ○ (Github)

(Hackerrank)| (Leetcode) | (Portfolio)

CAREER OBJECTIVE

Computer Science undergraduate (B.Tech, AI & ML specialization, 2022–2026) with strong experience in building **full-stack** web applications using the **MERN** stack, **TypeScript**, and **REST APIs**. Proficient in modern backend frameworks (Node.js, Express, FastAPI) and **LLM** integration using **LangChain** and Hugging Face. Eager to contribute as a Software Development Engineer or Full Stack Developer, delivering scalable and intelligent software solutions.

EDUCATION

Pragati engineering college   **Duration : 2022-2026**

Bachelor of Technology (B.Tech) in Computer Science, specialization in AI & ML   Kakinada, India

CGPA: (9.0/10)

EXPERIENCE

Bluestocks Fintech - Remote   **FEB25 - APR25**

SDE Intern

- Collaborated in a team of 8 to develop a fully functional IPO investment website using **React**, **Node.js**, and **Bootstrap**, delivered within 1 month.
- Designed and implemented **REST API**s in Node.js to manage dynamic data flow and optimize backend performance, integrated **JWT**-based **authentication** .
- Gained hands-on experience with stock market technologies and contributed to fintech solutions related to IPOs and investment platforms.

TECHNICAL SKILLS

- **Programming:** JavaScript (ES6+) **|** TypeScript | Python **|** Java
- **Frameworks:** Express | React JS | Next JS | FastApi | Langchain
- **Backend & APIs:** Node.js **|** REST APIs
- **Concepts:** Full Stack Development **|** LLM Integration **|** ML (basic) DSA **|** OS **|** DBMS **|** CN

- **Databases:** MongoDB **|** MYSQL
- **Dev Tools:** Git **|** GitHub **|** VS Code
- **Control:** Git | GitHub
- **Styling:** Tailwind CSS | Bootstrap

PROJECTS

AI Notes Generator App | Streamlit | LangChain | Hugging Face   **JUN 2025**

- Built a student-focused AI app that generates concise, customized notes on any topic using transformer LLMs.
- Enabled dynamic prompt engineering via user inputs: tone, format, number of points, and language.
- Integrated LangChain and Hugging Face to handle multilingual, structured content generation. **source code**

Doctor Appointment Booking App | MERN Stack | NodeMailer   **SEP 2024**

- Developed a full-stack appointment management system with role-based interfaces for Users, Doctors, and Admins.
- User Interface: Allowed patients to book and cancel appointments with real-time slot validation.
- Doctor Interface: Enabled doctors to manage availability and view upcoming appointments.
- Admin Interface: Provided administrative controls to manage doctor profiles and schedules.
- Integrated NodeMailer with Node.js to send dynamic email confirmations and appointment reminders.
- Built secure REST APIs using Express.js and stored data in MongoDB with schema-based validation. **source code**

Real-Time Chat Application | React.js | WebSockets | MongoDB   **JAN 2025**

- Real-Time Chat Application – Socket.io, React.js, Express.js, MongoDB | (Date)
- Built a real-time chat app using Socket.io and WebSockets for instant bi-directional communication.
- Developed group chat features including user management (add/remove users), group renaming, and message history.
- Implemented a React.js frontend with stateful chat components and dynamic updates via socket events.
- Designed REST APIs with Express.js and stored chat data in MongoDB for persistence and retrieva **source code**

ADDITIONAL CERTIFICATIONS

Certifications

- Programming in Modern C++ - NPTEL
- Joy of Computing using Python - NPTEL
- Python Basics - Hackerrank
- Frontend Developer - Hackerrank
- Programming in C - Infosys

Virtual Internships

- Blue Prism - RPA
- Cisco Networking Essentials
- Virtual Internship - Cybersecurity

Achievements

Awarded Gold Medal — Top 1% nationwide in Python coding exam