

Roopesh Kumar Jonnakuti

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([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

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

CGPA: (9.0/10)

Duration : 2022-2026

Kakinada, India

EXPERIENCE

Banao Technologies

JUN25-PRESENT

Full stack intern

- Contributed to the development of InterviewGod.ai **Chrome extension** and web application to automate interview preparation,
- Developed a scalable and responsive UI using **Next.js** and **Tailwind CSS**, managing complex application state with **redux**
- Developed and optimized Django HTML templates with DTL.
- Gained exposure to diverse technologies and quickly adapted to multiple complex projects in dynamic development environments.

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 APIs** in Node.js to manage dynamic data flow and optimize backend performance, integrated **JWT-based authentication**.
- Developed dynamic and visually appealing user interfaces using Bootstrap

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

Learnly | Next.js | TypeScript | Prisma | Auth.js | Gemini

SEP 2024

- Solves the problem of beginners struggling with unstructured learning by providing ready-made or AI-generated roadmaps, eliminating the need for research, note-taking, and manual tracking.
- Designed collaborative learning where tutors/instructors can share roadmaps; updates by the owner are automatically reflected in cloned roadmaps, keeping learners in sync.
- Implemented progress dashboards, printable worksheets, and AI-driven quizzes to reinforce consistency and learning outcomes.
- Secured user access with Auth.js authentication and integrated Prisma ORM with NeonDB (Postgres) for database management. [source code](#)

Chat with PDF App | Streamlit | LangChain | FAISS

OCT 2025

- Developed an intelligent “Chat with PDFs” application that allows users to query and converse with multiple documents using LLMs.
- Built a Retrieval-Augmented Generation (RAG) pipeline integrating LangChain, FAISS, and HuggingFace embeddings for precise contextual retrieval.
- Leveraged Google’s Gemini model to generate accurate, human-like responses sourced directly from PDF content.
- Designed an intuitive Streamlit interface enabling recruiters, students, and professionals to extract insights, summaries, and answers instantly. [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 [source code](#)

ADDITIONAL CERTIFICATIONS

Certifications

- salesforce platform developer I
- salesforce ai associate
- 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