

RUPAK NALLA

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CAREER OBJECTIVE

Aspiring software developer with a strong foundation in full-stack web development, cloud computing, and AI technologies. Proficient in building innovative applications using frameworks like Next.js, React.js, Flask, and Express.js, with expertise in databases and cloud platforms. Passionate about solving complex problems, leveraging cutting-edge technologies, and contributing to impactful projects in a collaborative environment.

SELECTED PROJECTS

Library management website

Full-Stack Web Application

- Built a library management website for users to explore books, request them, and read online, with librarians managing inventory and approvals.
- Implemented JWT authentication, Redis caching for performance optimization, and CSV export functionality.
- Automated daily notifications and monthly reports with Celery, streamlining key operations.

Tech: Flask, SQLAlchemy, Vue.js, JWT, Celery, Redis, SQLite.

Task Manager website

Full-Stack Web Application

- Built a task manager application enabling users to manage tasks, set reminders, and track completion status.
- Developed the frontend with Next.js and backend with Express.js, ensuring a responsive and seamless experience.
- Integrated SuprSend for timely notifications, enhancing task organization and user engagement.

Tech: Next.js, Express.js, Suprsend, Tailwind CSS.

Kitchen Genie

React.js website

- Developed Kitchen Genie, a cooking assistant website using React.js for easy recipe management.
- Integrated the MealDB API to display a wide variety of recipes with detailed instructions.
- Designed a responsive, user-friendly interface to enhance the cooking experience across devices.

Tech: React.js, Tailwind CSS

WORKSHOPS & TRAINING

Google Cloud Study Jam Participant

Conducted by IITM's GDG

Nov-2024

- Hands-on experience with **Google Cloud tools**, including **App Engine**, **Pub/Sub**, **Cloud Functions**, and **Dataplex**.
- Gained proficiency in developing generative AI applications with **Vertex AI** and APIs like **Cloud Vision**.

EDUCATION

BS Degree in Data Science and Applications 2022 - Pursing
Indian Institute of Technology Madras.

B.Tech in Computer Science and Engineering 2021 - Pursing
JNTUH University College of Engineering Manthani.

CERTIFICATIONS

- Basics of Python
- MySQL basics
- Introduction to NoSQL databases
- Web Development using HTML and CSS

TECHNICAL SKILLS

Programming Languages:

- Advanced: Python
- Intermediate: Javascript,C,C++.
- Novice:Java

Frameworks and Libraries:

- Next.js
- React.js
- Express.js
- Flask

Databases:

- MongoDB
- Redis
- MySQL

Cloud Platforms and Deployment:

- Google Cloud
- Vercel

Tools:

- Git
- VS Code

CO-CURRICULAR AND EXTRA CURRICULAR ACTIVITIES

- **50 Days Badge** (2024) holder on LeetCode
- solved **150+ problems** on LeetCode
- Secured **4085th rank** in Round 1 of TCS CodeVita.
- Acted as Technical coordinator for AVINYA 2024 college fest