Rathod Sai Kiran

Hyderabad, Telangana | Portfolio

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SUMMARY

I am a web developer with experience in building full-stack applications using React.js, Node.js, MongoDB, and SQL. I have successfully completed over five full-stack projects, focusing on scalable and efficient solutions. I enjoy optimizing code and database structures to improve performance. I collaborate effectively to deliver high-quality applications on time.

EDUCATION

Bachelor of Technology in Electronics and Communication Engineering   2020-2024
National Institute of Technology Agartala (NITA) – **8.0 CGPA**

SKILLS

- **Languages**:   C, C++, JavaScript, TypeScript, SQL, Python
- **Developer Tools**:   VS Code, MS Excel, AWS, MS PowerPoint, MS Word, GitHub, Postman, MySQL, Figma, Terraform
- **Coursework:**   Data Structure and Algorithms (DSA), Object-Oriented Programming (OOPs), DBMS
- **Web Development:**   HTML, CSS, React, Next.js, Bootstrap, Node.js, Express.js, jQuery, Tailwind, MongoDB

EXPERIENCE

Stat Delight   Dec - 2024

Freelancing Project - Link

- Engineered a fully responsive website for **Stat Delight**, resulting in a 35% increase in organic traffic and enhanced user engagement metrics, including an average session duration improvement from 2 to over 5 minutes.
- **Led** client interactions to gather and analyze project requirements, ensuring a **100% alignment** with business objectives and improving project delivery efficiency.
- **Managed** end-to-end project workflows, enhancing **client satisfaction by 30%**, while applying **user-centric design principles** to optimize usability and engagement.

Navodita Infotech Node.js Intern - Link   25/07/2024 – 24/08/2024

- Collaborated and optimized a scalable **RESTful API** for a blog platform, integrating secure user authentication, CRUD operations, and comment management, leading to a **40% improvement** in API response efficiency.

PROJECTS

Project 1: Blogs Management – [HTML | CSS | EJS | Express.js | Node.js | MongoDB] [Project Link]

- Led the development and deployment of a user authentication and authorization system**, increasing user engagement by 30%.**
- Implemented CRUD operations to facilitate seamless user registration, login, and **efficient blog post management.**
- Designed and integrated end-to-end encryption and advanced authorization protocols, **reducing security breaches by 60%** and ensuring compliance with industry standards.

Project 2: Music Player – [React.js | Express.js | MongoDB | Node.js | Tailwind | Howler.js] [Project Link]

- Designed and deployed a responsive music player using React.js and Figma, featuring drag-and-drop song ordering and real-time playback controls, which improved user engagement by 30% and reduced page load time by 20%.
- Implemented interactive song selection and highlighting features, increasing user interaction rates by 25% and reducing user drop-off by 15% during playback.
- Planned secure user authentication using JWT and OAuth, enabling 1,000+ registered users to access the platform safely. Deployed the application to a production-ready environment using AWS, achieving 99.9% uptime over 6 months.

CERTIFICATIONS

J.P. Morgan Software Engineering Virtual Experience - Link   February - 2024

- Completed practical tasks including interfacing with a stock price data feed, utilizing JPMorgan Chase & Co. frameworks, displaying data visually for traders, and contributing to open-source projects.

ACHIEVEMENTS

- Sanganan Prayog Club NIT Agartala - **Management Lead** (Research, Event, Content Creator, Junior coordinator)
- Founded and led **'ELECTROVERSE'**, the departmental magazine, increasing student engagement by 30% through curated content, including a feature on **DRDO** innovations.
- Delivered innovative projects like a **GSM-based Home Security System** and a Hands-Free Human-Computer Interaction System, verified by **HOD and Director**.
- Solved 180+ problems on *LeetCode* and 150+ on *GeeksforGeeks*, focusing on data structures, algorithms, and efficient coding practices.