Khushi Roy

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TECHNICAL SKILLS

Programming Languages: C/C++, Java, JavaScript (Node.js), TypeScript, Python
Database: MongoDB, MySQL
Frameworks:Express.js, React.js, Node.js, TailwindCSS, Material-UI, ShadCN, Aceternity UI, Magic UI
Developer Tools: Git, GitHub, VSCode, Postman
Others: HTML5, CSS, Zustand, Redux, Webpack, Vite, RESTful APIs
Core CS Skills: DSA, OOP, Computer networks, Operating system, DBMS, Cloud Computing

EXPERIENCE

Frontend Developer Intern   *October,2024–December 2024*
AKB Tech   *Hyderabad,India(Remote)*
- Designed & optimized responsive UIs for the company's website and admin dashboards using **React.js**, **Tailwind CSS**, **Material UI**, and **Framer Motion**.
- **Optimized state management with Zustand, reducing re-renders by 30%, and integrated OTPless authentication, cutting login time by 40%.**
- Enhanced website performance by **44%** (Google Lighthouse score) through lazy loading, SEO enhancements and code enhancements, and code optimization, reducing page load time by 1.5 seconds.
- Collaborated in regular code reviews ensuring code quality, maintainability, and scalability.

PROJECTS

CustomCLI | *Javascript,Node.js, Commander.js*   *March,2025*
- Engineered a custom command-line interface tool that processes 5+ file operations with 100% accuracy using Node.js and Commander.js
- Implemented recursive file search functionality supporting directory traversal with $O(n)$ time complexity
- Achieved command response time with less than 100ms for basic operations and file handling up to 1GB
  Github Link

MediMate | *Next.js, React.js, Tailwind CSS, Framer Motion, Aceternity UI, Magic UI, Flask*   *January,2025*
- Developed an AI-powered medical chatbot providing personalized assistance and symptom analysis using **Zephyr-7B-beta** as the base model.
- Implemented an intuitive landing page listing the features, tech stack and demo of the product for easy navigation.
- Facilitated real-time, evidence-based health recommendations.
  Github Link

EDUCATION

Vellore Institute of Technology Bhopal University, Bhopal   *October, 2022 – Ongoing*
B.Tech, Department of Computer Science and Engineering   *CGPA - 8.84*

Seth Anandram Jaipuria, School   *April, 2008 – March, 2021*
Class XII Central Board of Secondary Education (CBSE).   *Percentage : 95.4%*
Class X Central Board of Secondary Education (CBSE).   *Percentage : 96.6%*

ACHIEVEMENTS

- *Advanced to **semi-finals** of **TCSCodeVita S12, 2024** and secured an AIR of **6000***

- *Successfully cleared the **NPTEL Cloud Computing Certification by IIT-Kharagpur** and placed in **Top 5% of all the registered candidates at an All India Level.***

- *Successfully coordinated with a team of 6 for the **Smart India Hackathon, 2024 & 2023** clearing all 3 internal rounds of our college.*

- *Holding a University Rank of **153 among 24,000+** students on GeeksForGeeks and peak contest rating of **1497 on LeetCode** and **Newbie on Codeforces(889)***

- *Scored an overall grade of **92%** in Bits and Bytes of Computer Networking Certificate offered by Google.*