Mahesh Barapatre

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Mahesh Barapatre | LinkedIn

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mahesh-barapatre | Github   Portfolio

EDUCATION

Jabalpur Engineering College, JEC (Estb. 1947)   Jabalpur, India

Bachelor of Technology - Computer Science and Engineering;

GPA: 7.6   **2021 - 2025**

SKILLS SUMMARY

- **Languages**:   JavaScript, TypeScript, Python, SQL, HTML/CSS, C++
- **Frameworks**:   React.js, Next.js, Node.js, Express.js, Drizzle ORM
- **Tools**:   Git, Github, Docker, Postman, VS Code, PostgreSQL, MySQL
- **Soft Skills**:   Teamwork, Management, Leadership, Problem-solving

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WORK EXPERIENCE

React JS Intern | Sync Intern   **July 23- August 23**

- Developed and maintained interactive web applications using React.js, enhancing user experience and increasing user engagement by 15%.
- Optimized components for maximum performance across a vast array of web-capable devices and browsers, resulting in a 20% improvement in load times.
- Implemented state management using Redux, achieving a 10% increase in application performance and reducing data inconsistencies.
- Collaborated with UX/UI designers to translate design wireframes into high-quality code, ensuring responsive and visually appealing interfaces.

PROJECTS

CraftGenie.AI | LINK

- Developed CraftGenie.AI, a tool that generates high-quality text content on 15+ genres such as captions, code snippets, and post titles, enhancing productivity for marketers, developers, and creators.
- Implemented Next.js for efficient server-side rendering and optimized performance, leading to a 25% increase in application speed.
- Utilized Drizzle ORM and PostgreSQL for robust database management, ensuring seamless data handling and storage.
- **Tech Stack**: Next.js, Gemini API, shadcn UI, PostgreSQL, Clerk auth

Interview-Saathi.AI | LINK

- Developed an AI Mock Interview app using Next.js and the Google Gemini API, facilitating over 1,000 mock interviews for various roles, rounds, technologies, and experience levels.
- Implemented advanced natural language processing techniques to simulate realistic interview scenarios, improving user preparedness and confidence by 50%.
- Integrated Google Gemini API to provide tailored and context-aware interview questions, resulting in a 40% increase in user satisfaction and effectiveness.
- **Tech Stack:** Next.js, Gemini API, shadcn UI, PostgreSQL, Clerk auth

Sarthi | LINK

- Developed Sarthi, a peer-to-peer problem discussion platform with video conferencing, whiteboard, and chat features for seamless communication of ideas.
- Implemented real-time video conferencing using WebRTC, facilitating over 500 interactive sessions monthly, improving user collaboration by 40%.
- Utilized WebSocket for real-time communication, ensuring instant messaging and whiteboard synchronization with a latency of less than 100 ms.
- **Tech Stack:** React.js, WebRTC, Socket.io, Node.js, Tailwind CSS

ACHIEVEMENTS

- Completed Hacktoberfest, contributing to numerous open-source projects and engaging with the developer community.
- Recognized as a GSSoC Contributor, contributing to 5 significant open-source projects and impacting the global community.
- Achieved top performer status in Coding Ninjas C++ and DSA course, ranking in the top 10% of students. LINK
- Actively participated in 10+ hackathons, tackling diverse challenges and enhancing collaborative skills.
- Solved over 350+ questions on LeetCode, achieving a 1540+ contest rating and demonstrating advanced problem-solving skills. LINK