MAHENDRA DEWANGAN

Korba, C.G., India • mahendradewangan195@gmail.com • LinkedIn • Portfolio • +919179473930

EDUCATION

Vishwavidyalaya Engineering College   Ambikapur, C.G.
Bachelor of Technology, Computer Science   June 2020 - August 2024

SKILLS

Programming languages: Java, Javascript, Typescript, Python, C/C++, HTML5, CSS3
Tool/Technologies/frameworks: React.js, Next.js, Node.js, Tailwind CSS, Bootstrap, Git, GitHub, Azure, Postgre SQL, Drizzle ORM, Linux
Concepts: Computer Science Fundamentals, Data Structures and Algorithm Design, Object Oriented Design

EXPERIENCE

HNGx   Remote
Frontend Engineer   September 2023 - November 2023
- Developed an advanced screen recording **Chrome extension** using JavaScript and browser APIs to capture screen, tab, and window activities, boosting user functionality and increasing user engagement by 40%.
- Streamlined video data transfer by chunking recordings with Blob objects, **reducing excessive memory usage** and **enhancing efficiency by 40%,** significantly boosting backend performance.
- Engineered a system to fetch and display synchronized video and transcript data, highlighting the current word during playback, enhanced user experience, and **reduced transcript navigation time by 25%.**
- **Technologies**: Javascript, Typescript, React.js, Node.js, API, TailwindCSS.

PROJECTS

Devspace | Link   June 2024 - Present
- Built Devspace, a **pair programming platform** for developers to find fellow developers and engage in video chat sessions, enhancing collaboration and networking.
- Leveraged Next.js with TypeScript for the front end, Node.js with Express for the backend, and PostgreSQL with Drizzle ORM for the database, **reducing page load times by 40%** and ensuring robust and efficient application architecture.
- Implemented authorization with NextAuth and OAuth, providing secure user authentication and improving account management, **reducing unauthorized access attempts by 50%.**
- **Technologies:** Javascript, Typescript, Next.js, Node.js, Express, API, Drizzle ORM, Postgres SQL

DeployCell | Link   April 2024 - June 2024
- Developed Deploycell, a **Vercel clone**, enabling seamless deployment of React applications.
- Leveraged **Azure containers** to store and process code fetched from GitHub, ensuring efficient build on the local machine and uploading the blobs to the Azure container, **reducing deployment time by 5%.**
- Automated deployment to Azure containers, rendering HTML, CSS, and JavaScript files for optimal browser compatibility, **increasing deployment efficiency by 40%.**
- **Technologies:** Javascript, Typescript, Next.js, Node.js, Express, API, Redis DB, Azure Containers

LEADERSHIP AND INVOLVEMENTS

MLH Hacks (Hackathon) | Team Lead   January 2024 - February 2024
- Built TravelEase, a smart route planner integrating weather data, car rentals, and homestay accommodations.
- **Achieved 3rd place** in Hack-celerate organized by Major League Hacking 2024.
- **Technologies:** React.js, Tailwind CSS, Firebase, Mapbox API, Open-Weather - Map API, Unix/Linux environments

Girlscript Summer of Code | Contributor   May 2023 - August 2023
- Contributed to **5+ open-source** projects, **improving code quality by 20%.**
- Enhanced project functionality, **reducing bug reports by 50%.**
- **Technologies**: HTML, CSS, JavaScript, React.js, Node.js, Unix/Linux