Raj Aryan Vishwakarma

Rourkela, Odisha, India

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Education

National Institute of Technology, Rourkela   **December 2021 - May 2025**
Bachelor of Technology in Mechanical Engineering **CGPA : 8.06/10**   *Odisha, India*

DAV Public School, Bishrampur   **July 2019 − July 2021**
Senior Secondary **Percentage:98.4%**   *Chhattisgarh, India*

Work Experience & Projects

Akshar Pharmacy | *Website Development Lead - Freelance* | Try Out   **May 2023 - July 2023**
- Directed a team of 2 to develop & optimise the official website for Akshar Pharmacy.
- Devised and executed a comprehensive website optimization strategy, resulting in a 30% increase in organic search traffic within 3 months.
- Fortified a seamless and comprehensive user experience, achieving exceptional responsiveness, leading to increased mobile traffic and enhanced site performance
- Utilised Lighthouse Reports to identify and resolve performance bottlenecks, leading to a 20% reduction in page load times and an improved user experience.

Infinite Meals | *Typescript, React JS, Next.js, MySQL, Redis* | Try Out   **July 2023**
- Developed a recipe-generating website utilising the GPT-3.5-Turbo-1106 model, resulting in an expansive database of infinite recipes generated on demand.
- Leveraged DALL-E image generation and SerpAPI image search endpoints to fetch images for food items along with the recipes
- Incorporated rate limiting, caching, and database optimisations to ensure optimal performance and scalability of the recipe-generating website, reducing load times by 40% and improving user experience.

TribeTango | *JavaScript, React, Firestore, Ethers.js, Verbwire* | Github Link   **March 2023**
- Built a web3 dApp that gamified socialisation by rewarding NFTs.
- Collaborated and Integrated a seamless chatroom using Firebase Firestore, boosting engagement and retention.
- Completed the project within a challenging 36-hour time frame during HACK 36 6.0

PayPol | *JavaScript, React, Tailwind, Firestore, Solidity* | Github Link   **February 2023**
- Co-created this web3 dApp as part of a 4-person team that provides users with the ability to send, receive and hide their ERC-20 tokens
- Integrated a token request alert system leveraging Firebase Firestore and user authentication through Arcana Auth, enhancing user satisfaction and optimising application efficiency.

Technical Skills

Languages: JavaScript, Golang, Bash, C++
Developer Tools: VS Code, Git, GitHub, Rapid API, Docker, Lighthouse
Databases: MongoDB, Firebase Firestore, My SQL, PostgreSQL
Technologies/Frameworks: React JS, Next.js, Typescript, Express.js, Material UI, BootStrap, Tailwind, Auth0

Achievements

∗ Achieved Verbwire Track Prize Of Hack 36 6.0 among 60+ projects   **March 2023**
∗ Won Auth0 Track Prize Of HackNITR 4.0 among 350+ projects   **January 2023**
∗ Awarded Best Sustainability Hack of Hacky New Year By MLH among 50+ projects   **January 2023**

PORs

President, Webwiz   **May 2023 - Present**
∗ Leading the official Web Development Club of NIT Rourkela, managed and built 6+ websites including Nitrutsav, Institute Counselling Services and multiple clubs.

Lead Organizer, HackOdisha 3.0   **May 2023 - October 2023**
∗ Spearheaded the organisation of HackOdisha 3.0, with more than 3000 registrations and 200+ project submissions. Cultivated a supportive community for a smooth and enjoyable experience for all participants.