VAIBHAV KUMAR

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Summary

Final-year Computer Science student with skills in full-stack development and Java programming, focused on scalable solutions.

Education

Vellore Institute of Technology, Bhopal   **July 2021 - Present**
Bachelor of Technology in Computer Science and Engineering   CGPA: 8.28   Bhopal, Madhya Pradesh

Subjects of Interest

Object-Oriented Programming, Operating Systems, Database Management Systems, Software Engineering, Data Structures and Algorithms.

Projects

Glamora E-commerce Platform | **React.js, Express.js, MongoDB, Node.js, Tailwind CSS**   **July 2024 – Sep 2024**
- Focused on female-oriented products, including clothes, garments, cosmetics, and jewellery, delivering a targeted shopping experience.
- Designed and executed features such as a user-friendly interface, secure payment integration, product management, customer reviews, and responsive design for seamless use across devices.
- Enhanced user retention by 30% through seamless navigation and user-friendly features.
- Developed and integrated **RESTful APIs**, enhancing data exchanges between front-end and back-end systems, which resulted in a 40% improvement in response times for user transactions on the platform.

Healthcare Patient Management Application | **React.js, Next.js, TypeScript, Appwrite, Tailwind CSS**   **May 2023 – July 2023**
- Designed and developed a Next.js-based healthcare patient management system with a responsive and dynamic UI.
- Streamlined appointment scheduling efficiency by **50%** using automated admin tools for scheduling, confirming, and cancelling appointments.
- Boosted patient engagement by **30% through real-time** SMS notifications powered by Twilio integration.
- Ensured data integrity and security using secure authentication and authorization mechanisms.

WanderLust ⦿ Link | **Node.js, MongoDB, Express.js, Embedded JavaScript Templates(EJB)**   **Aug 2022 – Sep 2022**
- Crafted seamless account creation processes for users to add listings and leave reviews, optimized functionality led to the addition of 150+ property listings.
- Users are required to create an account to add listings, leave reviews, and access additional features, with the website ensuring a seamless experience across all devices through responsive design.
- Provided unique local experiences such as kayaking, village walks, and food tours, leveraging location-based services to enhance user satisfaction.

Technical Skills

Languages: Java, JavaScript, SQL, HTML/CSS
Frameworks/Tools: React.js, Node.js, Express.js, Next.js, MongoDB, Git, GitHub, Tailwind CSS, Bootstrap

Experience

Unified Mentor   **Oct 2023 – Jan 2024**
Role- **Full stack Developer Intern**
- Engineered advanced features like responsive interfaces and real-time updates, increasing **user engagement by 30%.**
- Improved application load times by 40% by optimizing React.js components and implementing server-side caching techniques.
- Enhanced platform scalability by 25% through efficient API development and database optimization with Node.js and MongoDB.
- Streamlined backend operations with Node.js and Express.js, reducing API response times by **35% and improving performance**.

Software Development Club   **Jan 2022 – Feb 2023**
Web developer   VIT Bhopal
- Directed the successful completion of 15+ weekly web development projects, achieving a **95% on-time delivery rate**.
- Collaborated with cross-functional teams to optimize application features, reducing error rates by 25% and enhancing usability 30%.
- Ensured full compliance with institutional guidelines while enhancing website accessibility and responsiveness for diverse users.

Certifications:

- **MERN Full Stack Internship Program** – Offered by Ethnus, **Issued December 2023.**
- **AWS Cloud Practitioner** – Offered by Amazon Web Services, **Issued February 2024.**