Vrushabh Patil

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Summary

Undergraduate with a strong foundation in Full-Stack development, specializing in React.js, Next.js, Node.js, Express.js. Proven ability to design and implement scalable web applications, with hands-on experience in integrating **secure authentication**, optimizing **database performance**, and managing seamless **API integrations**. Passionate about applying technical expertise to solve complex real-world challenges and creating innovative solutions.

Projects

Paytm | *Next.Js, Node.js, Express.js, Postgres, Prisma* — GitHub Link
- ▷ Developed a scalable payment application enabling real-time wallet recharges and **P2P fund transfers**, achieving **20 percent faster processing times**.
- ▷ Implemented **NextAuth** to enhance **authentication security**, boosting user login success rates by **30 percent**.
- ▷ Integrated **PostgreSQL** to manage users' data and transaction histories efficiently with **Prisma ORM**.
- ▷ Designed and deployed a **Node.js webhook handler** to simulate **bank APIs**, ensuring a **99.9 percent transaction success rate** and robust error handling.

Medium | *React.js, Node.js, Hono, TypeScript, Prisma, PostgreSQL* — GitHub Link | Live Link
- ▷ Built a full-stack blog platform enabling **User Registration**, **Blog Creation**, and **Content Management** for a seamless publishing experience.
- ▷ Enhanced backend performance by implementing **connection pooling**, optimizing database operations and reducing latency by **30 percent**.
- ▷ Designed a responsive user interface using **React.js** with modular reusable components, improving user engagement.
- ▷ Utilized **PostgreSQL** for robust and efficient data storage, ensuring **100 percent data integrity** and fast retrieval for dynamic content.

Quizly | *React.js, TypeScript, Hono, Prisma, PostgreSQL, Tailwind CSS* — GitHub Link | Live Link
- ▷ Developed an interactive quiz platform featuring multiple question types, progress tracking, and admin management capabilities.
- ▷ Designed a **responsive UI** to ensure smooth navigation and deliver an engaging user experience.
- ▷ Optimized database operations using **Prisma** and **connection pooling**, enhancing scalability and performance.
- ▷ Implemented secure and reliable data storage for quizzes and user scores with **PostgreSQL**.

Technical Skills

Languages: C, C++, Python, HTML, CSS, JavaScript, TypeScript
Frameworks: React.js, Next.js, Node.js, Express.js, Tailwind
Developer Tools: VS Code, Git, GitHub, Postman, AWS
Databases: SQL, PostgreSQL, MongoDB

Education

Vishwakarma Institute of Technology — Pune, Maharashtra
Bachelor of Technology in Computer Science and Artificial Intelligence — *Nov. 2022 – Present*

Extracurricular

- ▷ Solved 200+ problems on Leetcode and 200+ on Code Studio, enhancing problem-solving skills.
- ▷ Participated in Adobe Hackathon to gain practical knowledge and implement skills on real-world problems.
- ▷ Completed the comprehensive Web Development course by Angela Yu.
- ▷ Shortlisted for Flipkart Grid 6.0 Level 1.2, qualifying from over 4 lakh+ candidates.