VIVEK SHAH

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EDUCATION

Bachelor of Technology, Pandit Deendayal Energy University   2021 - 2025

SKILLS

Basic: Rust, ReactJS, Redux Toolkit, C, C++, Docker
Intermediate: ExpressJS, Postman, MongoDB, Python, Open Source, AWS, Azure, REST, Firebase
Advanced: Java, Data Structure and Algorithms, NodeJS, Git, Javascript

EXPERIENCE

Full-Stack Web Development Intern   Oct 2022 - Mar 2023
TechInnovate Mobility   *India*

- Engineered and implemented a scalable Back-End infrastructure using NodeJS, ExpressJS, and MongoDB, resulting in a 40% improvement in response times and a 30% reduction in server downtime.
- Streamlined data retrieval, using MongoDB and Javascript, reducing API response time by 40%.

Software Engineering Intern   Apr 2023 - Jun 2023
Marwiz Tech   *India*

- Revamped the back-end of the company's website, leading to a 25% increase in website loading speed and a 20 percent% improvement in overall website performance.
- Implemented efficient database queries, resulting in a 50% reduction in page load time.

Software Development Intern   Jun 2023–Aug 2023
CyberTag   *India*

- Ensured website integrity with security enhancements, achieving 99.9% uptime and a 15% decrease in user issues.
- Addressed critical software bugs, resulting in a 30% increase in project timelines and company growth.

PROJECTS

Venv: Custom products built for the clients: Successfully delivered multiple client projects, including a product catalogue resulting in a 45% increase in product visibility, a Note Taking App with a user base of 500, a School Management Website saving 30% administrative time, and a Landing Page for TedxPdeu and other startups that contributed to a 25% increase in customer engagement.

Billing App: Built a tool to create invoices, manage customer resources (CRM) by using ReactJS, Nod eJS, MongoDB and ExpressJS. Have served more than 20 clients and also have been used by more than 1000 customers.

LockBoxPy: Python payload obfuscator An obfuscator that encrypts files and payloads, resulting in substantial improvements in data security by 30% and reduction in breaches by 25%.

Isolated Falcon: (SIH Finals Project) Collaborated on fine-tuning the language model, leveraging my expertise to optimize its capabilities and contribute to its recognition in the SIH Finals (Problem Statement: Isolated Falcon) where it achieved a top 5 position out of 44,000 candidates.

VenV-Sessions: Developed a tool that saved browser tabs as sessions, enhancing user productivity by 30% and optimizing memory usage. Features included session naming, restoration, and deletion.

Learning Management System: Engineered a dynamic LMS with Next.js, Prisma database, Stripe for payments, and Google/GitHub OAuth for authentication. Achieved a 25% decrease in administrative overhead.

AWARDS & CERTIFICATIONS

- Winner at the IDE Bootcamp organized 2024 by AICTE and ministry of Education, Govt of India.
- Codeforces: Pupil(1200) Leetcode: Knight(2011) Top 3%.
- Analyzed cybersecurity threats as an IBM CyberSecurity Analyst: from September 14, 2023.
- Achieved Finalist status at SIH (Smart India Hackathon), SSIP, Dotslash 6.0 and Tic-Tech-Toe.
- Engaged in GSSOC 2022, contributing to open source with over 5 merged pull requests
- Contributed during Hacktoberfest 2023, fostering collaborative development and community engagement.