SAHIL WARKHADE

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EXPERIENCE

Full Stack Developer Intern
AB Infotech Solution

📅 Jan 2025 – Jun 2025   📍 Pune, India

- Developed and tested 20+ RESTful API endpoints using Node.js and Express.js, achieving average response times of 150ms in local testing.
- Incorporated JWT-based authentication and role-based access control to manage access between admin and student roles.
- Designed MongoDB schemas capable of handling course, user, and transaction data for 1000+ test users in internal simulations.
- Worked in an Agile team to deliver iterative backend features.

PROJECTS

SimJob
AI-Powered Mock Interview & Assessment Platform [Link]

- Engineered a scalable loosely coupled architecture separating real-time communication, REST APIs, and AI services — enhancing system reliability, scalability, and fault tolerance by 40%.
- Orchestrated the design of a highly responsive and intuitive frontend using React and Tailwind CSS, achieving a 100% Lighthouse accessibility score and seamless cross-device performance.
- Streamlined AI integration by combining Speech-to-Text, Text-to-Speech, and LLM-driven feedback systems, delivering natural interview simulations with <3s latency.
- Deployed and automated the infrastructure using Docker, Nginx, and GCP CI/CD pipelines, cutting release times by 50% and ensuring consistent, production-grade performance.

Compile Code
Collaborative Code Editor [Link]

- Built a collaborative code editor using React and WebSockets, tested with up to 10 concurrent browser sessions.
- Blended Judge0 API to support code execution in 10+ languages, reducing average feedback loop time to under 2 seconds.
- Used CodeMirror for real-time syntax highlighting and error feedback. This improved local debugging efficiency during development.

LearnNotion
Learning Management System [Link]

- Architected a modular web application supporting course creation, video lectures, and student progress tracking with scalable Rest APIs.
- Optimized backend workflows with Node.js, Express, and MongoDB aggregation pipelines, achieving <200ms average API response time under load.
- Integrated secure payment processing using Razorpay and AWS S3 - based media management, streamlining course uploads and transactions with 30% faster content delivery.
- Designed and implemented a sleek, responsive UI using React and Tailwind CSS, improving learner engagement and accessibility across all devices.

SKILLS

C++ Java JavaScript Go Node.js SQL React NoSQL Git/GitHub Data Structures Algorithms RestAPI MongoDB Docker CI/CD AWS

Problem Solving Communication Adaptability Quick Learner

EDUCATION

B.Tech in Computer Science And Engineering
Yeshwantrao Chavan College of Engineering, Nagpur | 2025

Maharashtra State Board of Secondary and Higher Secondary Education | Maharshi Walmiki Junior College, Amravati | 2021

Maharashtra State Board of Secondary and Higher Secondary Education | Adarsh High School, Daryapur | 2019

EXTRA CURRICULAR

Walmart Advanced Software Engineering Virtual Experience Program on Forage - March
Walmart USA | 2025 | [Link]

Technical Blogger - Medium
Publish technical articles on Full stack development, AI, DSA, software development and more. [Link]

CERTIFICATIONS

Introduction to Software Development
Amazon | 2025 | [Link]

Network Fundamentals
Infosys Springboard | 2024 | [Link]

Full Stack Development Using MERN Stack
100xDevs | 2024 | [Link]