Ayush Vishwakarma

Portfolio| Github
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EDUCATION

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY
B.tech in Information Technology
2026 | Gwalior, Madhya Pradesh

PT. LAJJA SHANKAR JHA MODEL HIGH SCHOOL
Intermediate
2022 | Jabalpur, Madhya Pradesh

COURSEWORK

UNDERGRADUATE
Operating System
Object Oriented Programming
Database Management System
Computer Networks
Data Structures

SKILLS

PROGRAMMING
Languages:
• Intermediate:- C, C++, Javascript , Typescript , SQL
Web
• HTML, CSS
Frameworks
• React, Express, Tailwind, NextJs
Databases
• MongoDB
Libraries
• Node. js, Redux, Zustand ,Nightwatch
Others
• Git, Github, Bash, Postman, Docker, Amazon SQS, Amazon ECS

ACHIEVEMENTS

• Solved 200 + questions in leetcode.
• HO3(Quine track) Winner **among 50+ teams.**

VOLUNTEERING

• **Led** EMT Team of RangManch in Aurora
• Voluteered in Urja Cricket Team

EXPERIENCE

DEVTOWN | Full Stack Web Developer Internship
Dec 2023 – April 2024 | Remote
- Built Version 2 of DevTown's Student Platform from scratch using **React** and Styled Component. Performed **code splitting** and **lazy loading**, which enhanced the performance by **30%**.
- **Maximized** Lambda function efficiency by implementing Amazon SQS with polling for asynchronous message processing, achieving optimal resource utilization and scalability in Remote Code Executor.

PROJECTS

COMMUNET - BULK EMAIL SENDER AND EXTRACTOR | MERN, Microservices, Docker, TypeScript, Chrome Extension (Extension and Backend)
Links Backend Extension
- Built using **Microservices architecture** with Services like authentication and email services in Nodejs using Typescript, which reduced the load and increased resource efficiency.
- Implemented Google OAuth2 Authentication using passport.js, reducing authentication setup time by **70%** and ensuring secure access to user data
- Developed a **Chrome Extension** that streamlined email extraction from LinkedIn profiles, reducing user time investment by **50%** and seamlessly storing data in the database for enhanced efficiency.

LINKSHORT- URL SHORTENER | HTML, CSS, JavaScript, MERN
Links: Live Website Backend Frontend
- Utilized Node.js and MongoDB to create a URL Shortening Service hosted on Vercel, achieving a **40%** increase in system efficiency. Reduced package dependencies by storing hashes directly, ensuring 6-character unique identifiers and **minimizing concurrent URL conflicts**.
- Incorporated the Google Charts API to dynamically generate QR codes, slashing generation time by an impressive 95%, ensuring swift access to original links. Ensured compatibility with Google Lens for enhanced accessibility.

LEARNING MANAGEMENT SYSTEM | MERN, Razorpay, Chart.js
Links: Live Website Backend Frontend
- Implemented Razorpay Payment Gateway, cutting course purchase time by **50%** and ensuring **99.9%** transaction reliability for a seamless user experience.
- Created a **ADMIN Dashboard** using Chart.js for analytics and to add or remove courses—Integrated NodeMailer for password recovery.
- Used JSON Web Tokens for secure authentication and developed REST APIs, ensuring efficient and reliable communication between client and server, enhancing system efficiency.