

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 RangMach in Aurora
- Volunteered in Urja Cricket Team

EXPERIENCE

NIGHTWATCH.JS | OPEN SOURCE CONTRIBUTOR

Feb 2024 | Remote

- Contributed to making the **aliases** of the Major Element API commands and fixed high-priority bugs.

DEVTOWN | FULL STACK WEB DEVELOPER

Dec 2023 – April 2024 | Remote

- Built Version 2 of DevTown's Student Platform from scratch using React and Styled Component. Performed **code splitting** and **refactoring**, which enhanced the performance by **30%**.
- Optimized Code for **SEO** using React Helmet.
- Built a Code Runner using Nodejs, Docker, Amazon SQS, and Amazon Lambda.
- Collaborated with the product manager and Senior developers.

PROJECTS

COMMUNET - BULK EMAIL SENDER AND EXTRACTOR | MERN, MICROSERVICES, DOCKER, TYPESCRIPT, CHROME EXTENSION (EXTENSION AND BACKEND)

Links [Live Website](#) [Backend](#) [Frontend](#)

- Built using **Microservices architecture** with Services like auth and email services in Nodejs using Typescript.
- Utilized passport.js for Google OAuth2 Authentication and native Gmail API for Email Sending.
- Built a **Chrome Extension** that can extract email from the user's LinkedIn profiles.

LINKSHORT- URL SHORTENER | MONGODB, EXPRESS, REACT, NODE

Links: [Live Website](#) [Backend](#) [Frontend](#)

- Leveraged Node.js and MongoDB to develop a high-performing URL Shortening Service hosted on Vercel, optimizing efficiency throughout the system architecture.
- Utilized the Google Charts API to **dynamically generate QR codes** for each shortened URL, enhancing user experience by providing efficient access to original URLs through Google Lens compatibility.

LEARNING MANAGEMENT SYSTEM | MERN, RAZORPAY, CHART.JS

Links: [Live Website](#) [Backend Code](#) [Frontend Code](#)

- Integrated **Razorpay Payment Gateway** for seamless course purchases, prioritizing efficiency and reliability in transaction processing.
- Developed an **ADMIN Dashboard** using Chart.js for analytics and to add or remove courses. Integrated NodeMailer for password recovery.
- Implemented JSON Web Tokens for secure authentication and developed REST APIs, ensuring efficient and reliable communication between client and server, enhancing system efficiency.