

Ayushman Kumar Singh

LinkedIn | GitHub | LeetCode
ayushmanks1845@gmail.com

EDUCATION

B.Tech Computer Science Engineering Vellore Institute of Technology Bhopal, GPA: 8.69/10.00
12th Standard, Swaraj India Public School, Kanpur ISC percentage 81%
10th Standard, Swaraj India Public School, Kanpur ICSE percentage 82%

Sep 2022 — May 2026
May 2022
May 2020

TECHNICAL SKILLS

Skills: HTML, CSS, Js, React, Angular, NodeJS, MongoDB, Python, SQL, PostgreSQL, MySQL, SQL Server Microsoft Excel, Git, GitHub

WORK EXPERIENCE

Front End Developer

Oct 2024 – Dec 2024

Gagahealth Private Limited 

- Integrated REST APIs into the front-end interface, improving the data synchronization speed by 40%.
- Designed and implemented a new user onboarding screen, reducing the sign-in time by 60% and improving user retention by 25%.
- Diagnosed and resolved over 15 UI/UX bugs, increasing visual consistency and user satisfaction across devices.
- Collaborated in a six-member team using Git for version control, maintaining a streamlined development pipeline with more than 95% successful merges.

PROJECTS

Wanderlust: Full-Stack Stay Listing Web App

- Developed a full-stack web application for managing stay listings, utilizing the MERN stack (MongoDB, Express.js, React, Node.js).
- Designed a responsive user interface with HTML, CSS, and JavaScript, implementing dynamic EJS templating for effective rendering of listing pages, demonstrating strong user interface/graphic design sensibilities.
- Developed RESTful API routes and integrated MongoDB for persistent data storage using Mongoose ODM, showcasing back-end integration with front-end systems.
- Implemented comprehensive CRUD operations for listings with Express.js middleware for robust error handling, ensuring a seamless user experience.
- Structured the project with modular folders for maintainability and scalability, promoting clean code practices.

Mockly - GenAI Application

- Designed and developed MockLy, an AI-driven quiz platform that transforms study material into customizable mock tests, directly relevant to AI evaluation tooling.
- Designed an automated MCQ extraction system that converts PDFs with MCQs into interactive quizzes for seamless exam practice, highlighting data processing and tooling development.
- Developed AI-powered question generation, enabling students to create personalized mock tests from plain text study material, showcasing experience with machine learning applications.
- Implemented dynamic features like question shuffling, re-attempt tracking, and a detailed scoreboard, contributing to improved user performance analytics and data visualization concepts.
- Enhanced accessibility and affordability of mock tests, empowering students to prepare effectively, demonstrating a focus on user impact.

ACHIEVEMENTS AND EXTRACURRICULAR

Fellow, MAD (Make A Difference) Fellowship – Lucknow Chapter

Mar 2025 — Present

Mentored students, facilitated educational funding, and supported community-driven impact initiatives.

Student Coordinator in Student Internship Program

Jan 2025 — Sep 2025

- Organized a Cyber Safety Hackathon with participation from over 350+ teams across multiple colleges. Successfully shortlisted the top 10 teams and conducted the final hackathon event.

Smart India Hackathon

Aug 2024 — Dec 2024

- Qualified in internal rounds, created AYUSH Startup portal registration website using MERN stack.

CERTIFICATIONS

- IBM GENAI using Watsonx
- EC-Council Certified Ethical Hacker (CEH)
- Coursera Google IT The Bits and Bytes of Computer Networking

Apr 2025
Dec 2024
Dec 2023