Mohd Amaan Ansari

969-523-9404 | amaanmohd047@gmail.com | linkedin.com | github.com | amaanmohammed

EDUCATION

University of Lucknow — Lucknow, UP
Bachelor of Computer Application — *2022 – 2025*

Relevant Coursework: Data Structures Using C, Design and Analysis of Algorithms, Computer Network, Database Management System, Operating System, Object Oriented Programming with Java.

PROJECTS

Manoramam — Dec 2023
- Engineered a full-stack application for a boutique hotel with Supabase, including an admin dashboard for streamlined backend processes and secure authentication and authorization.
- Developed a responsive landing page using Next.js, React Hook Form and TailwindCSS, enhancing user engagement and visual appeal.
- Handled asynchronous remote state management with Tanstack/React Query, boosting data retrieval speed.
- Crafted reusable components using Compound Component Pattern and Styled Component and Visualized data using Recharts, enabling comprehensive insights into the client's growth.

Technologies used: *Javascript, React, NextJS, Supabase, React Query, Auth.js, Styled Components, and Tailwind CSS, React Hook Form*

Vistas Voyage — March 2024 – May 2024
- Developed a RESTful API for a travel agency service using Express.js, MongoDB, and Mongoose, with input validation handled by Zod.
- Secured the application with XSS protection, CORS, CSRF, Helmet for security headers, data sanitization against NoSQL query injection, and parameter pollution prevention using HPP.
- Implemented in-house authentication and Google sign-in using Passport.js, both utilizing JWT.
- Used Postman for rigorous API testing and documentation, and morgan for logging.
- Integrated Stripe for payments, utilized SendGrid and Nodemailer for emailing functionalities and used Multer for handling image uploads and PM2 for process management, monitoring, and clustering and CI/CD pipelines using GitHub Actions..

Technologies used: *Node.js, Express.js, MongoDB, Mongoose, Zod, Passport.js, Stripe, SendGrid, PM2, and GitHub Actions*

Portfolio Website — March 2024
- Created a portfolio website using Vite, React, TailwindCSS, and TypeScript for type safety.
- Utilized Framer Motion for smooth transitions and animations

Technologies used: *Typescript, React, TailwindCSS, and Framer Motion*

TECHNICAL SKILLS

Languages: Javascript, Typescript, C, SQL, HTML/CSS, Python, Java.

Frameworks and Libraries: React, Node.js, Express.js, Next.js, Styled Components, TailwindCSS, Tanstack Query, Redux/Redux Toolkit, Shadcn, Zod, Mongoose, Supabase

Developer Tools: Git, Docker, Postgres, MongoDB, GitHub Actions, PM2, Amazon Web Services, VS Code, Linux.

ACHIEVEMENTS

- Finalist in Hack-o-fiesta, 2024, organized by IIIT Lucknow and Bizthon
- Solved 200+ Problems of platforms like Leetcode, Code Studio, and CodeChef.

CERTIFICATES AND COURSES

- CS50: Introduction to Computer Science
- CS50: Introduction to Artificial Intelligence using Python
- Node.js, Express, MongoDB and More: The Complete Bootcamp by Jonas Schmedtmann (Udemy)