Ayush Katiyar

+91-6267208453 | in LinkedIn | ⬡ GitHub | </> LeetCode | ✉ katiyarayush02@gmail.com | 🌐 Portfolio

EDUCATION

Degree	Institute	Board / University	CGPA/Percentage	Year
B.Tech EE	Maulana Azad National Institute of Technology	NIT Bhopal	8.23	2021-2025
Senior Secondary	Kendriya Vidyalaya Sangathan(KVS)	CBSE	92%	2020
Matriculation	Kendriya Vidyalaya Sangathan(KVS)	CBSE	87.2%	2018

EXPERIENCE

- **Springfield Olympiads** *Certificate*
  Intern Sept 2024 - Nov 2024
  - Created, optimized, and tested over 200+ RESTful APIs for the e-commerce platform, ensuring seamless integration and core functionality for both the website and the admin panel.
  - Implemented `node-cache` to optimize data retrieval, reducing API response times by 30%, and used `node-cron` for automating transaction processing and review management, improving system efficiency.
  - Collaborated with frontend teams to ensure seamless API integration and user-friendly UI/UX design.

TECHNICAL SKILLS AND INTERESTS

Programming Languages: C/C++, Python, HTML, CSS, JavaScript, TypeScript
Cloud/Databases: MongoDB, MySQL, PostgreSQL, Prisma
Developer Tools: Node.js, JSON, VS Code, Git, GitHub, Postman, MySQL Workbench, MATLAB
Libraries and Frameworks: Express.js, Tailwind CSS, Bootstrap, React.js, Redux, Next.js, JWT, Zod, Axios
Relevant Coursework: DSA, OOPs, Fundamental of Electrical Engineering

PERSONAL PROJECTS

- **ReferralShala** ⬡ *GitHub*
  Revolutionizing the Job Referral Maze (🔗Live) December 2024 - Present
  Next.js | JavaScript | Prisma | Neon | Clerk | PostgreSQL | CSS
  - Built a responsive Next.js platform connecting employers and candidates for seamless job referrals.
  - Collaborated with **Clerk** to implement a secure login system, enhancing user trust and privacy.
  - Designed & implemented UI/UX dashboards for efficiently managing job postings, applications, and user profiles.
  - Integrated **RESTful APIs** to enable real-time data synchronization across features.
  - Leveraged **Prisma**, **Neon** and **PostgreSQL** to create a robust database architecture, achieving a 20% reduction in query response time for data retrieval and storage.

- **Visulax** ⬡ *GitHub*
  Algorithm Visualizer (🔗Live) June 2024
  HTML | CSS | JavaScript | Node.js | MongoDB | Express.js | bcrypt | Zod
  - Constructed a platform featuring over 10+ interactive visualizations to simplify intricate algorithms.
  - Established secure REST API endpoints (/signUp and /signIn) utilizing MongoDB, Zod, and bcrypt.
  - Algorithms covered: **Sorting** (Bubble, Selection, Heap, Insertion, Merge, Quick), **Searching** (Linear, Binary, Jump, Exponential), **Binary Trees**, **Graphs** (DFS, BFS), **Sieve of Eratosthenes**, **Recursion** (N Queen, Rat in a Maze).

- **eBook Haven** ⬡ *GitHub*
  Digital Bookshelf (🔗Live) March 2024
  - Designed and built a user-friendly MERN stack web application for efficient book collection management. Implemented comprehensive CRUD operations and intuitive functionalities for uploading, viewing, editing, and deleting entries. Optimized codebase readability by 35%, reducing lines of code by 25% and improving maintainability.
  - Technologies Used:
    * **Frontend**: **React**, React Router DOM, Axios, React Icons, Notistack, **Tailwind CSS**.
    * **Backend**: **Node.js** with **Express** for **REST API**, **Mongoose** for database management, **Multer** for file uploads.

ACHIEVEMENTS

- Solved over 1600+ coding problems focusing on Data Structures and Algorithms across multiple coding platforms.
- Coding Profile (**rating**) : **Leetcode** 900+ Problem Solved, (**1686**) | **Code360** Master, (**2838**) | **Codeforces** (**1338**)
- Mastered 17+ advanced graph techniques during a 3-day camp led by Manas Kumar Verma. **Certificate**
- Secured a spot in the top 15 teams in Flipkart Grid 6.0, out of 17,000 competitors.