Brijesh Mourya

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EDUCATION

Manipal University Jaipur (MUJ) Rajasthan, INDIA
Bachelor of Computer Application (**CGPA**:7.9/10.0) **August 2020 - July 2023**

ACA Jaipur School Rajasthan, Jaipur, INDIA
Class XII, **Major in Mathematics, Physics and Chemistry** (72%) **March 2019 - April 2020**

ACA Jaipur School Rajasthan, Jaipur, INDIA
Class X, (81%) **March 2017 - April 2018**

SKILLS

Languages: JavaScript, TypeScript, Java, Kotlin(Intermediate), HTML, CSS
Technologies/Frameworks: Node.js, express.js, REST, React.js, Next.js, Tailwind CSS
Databases: MongoDB, MySQL, Firebase
Platforms/Tools: Windows, Visual Studio, Android Studio, Figma(UI/UX), Intellij IDE
Other Skills: Object Oriented Programming, Data Structures, Computer Networks, Git, GitHub, API Development

PROJECTS

Tour Booking System API | Link

This project is a **Node.js** and **Express. js-based backend** for a tour booking system. It uses **MongoDB** for data storage and showcases:

- **Data Aggregation**: Implemented in `controllers/tourController.js`, it uses MongoDB's **aggregation pipeline** for complex data transformation.
- **Geospatial Queries:** The system can **find tours within a certain distance from a point** and calculate distances to all tours, as seen in the `getToursWithin` and `getDistances` functions.
- **Middleware and Security:** The `app.js` file uses middleware for tasks like **logging and request data modification**, and implements security measures like **rate limiting**, **data sanitization**, and HTTP parameter **pollution prevention**.

VidBrief: Summarizing YouTube with AI | Link

- Led the creation of VidBrief, a web application that uses **Google's AI to turn YouTube videos into short summaries**. This project required a deep understanding of AI and machine learning concepts, and the ability to apply these in a practical, user-friendly application.
- To ensure a smooth user experience, I implemented **asynchronous processing and caching**. This allowed the application to handle multiple requests at once and store frequently requested video summaries, improving the application's performance.
- The application was built using **TypeScript**, **React**, and **Node**.js, and integrated with the **YouTube Data API and Google AI Studio Gemini API**. This required a good understanding of these technologies and APIs, and the ability to integrate them into the application effectively.

URL Shortner API | Link

- Developed a URL Shortener API using Node.js, Express.js, and MongoDB to convert long URLs into short, manageable links.
- Implemented features to create, retrieve, update, and delete short URLs, as well as redirect to original URLs.
- Ensured robust error handling and validation to improve reliability and user experience.
- Documented the project with a comprehensive README, including installation instructions, environment setup, and API usage examples.

CO-CURRICULAR ACTIVITIES & ACHIEVEMENTS

- Developed a personal **portfolio** website showcasing my skills and projects (Next.js)
- Participated in the "**TECH-A-THON**" and built a web application (MERN stack) to Edit Videos and Photos.
- Recipient of School/Workplace **Recognition Award** for **Reliability and Time Management** (Demonstrated consistent on-time arrival and commitment to meeting deadlines)

CERTIFICATIONS

- React - The Complete Guide 2024 (incl. Next.js, Redux) (Udemy)
- Node.js, Express, MongoDB & More: The Complete Bootcamp (Udemy)
- The Complete Android 15 Course -Build 82 Apps [Java& Kotlin] (Udemy)