

Ayush Gupta

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Education

BITS Pilani, Goa Campus

August 2019 - August 2023

Bachelor of Engineering - Mechanical Engineering

Goa, India

Technical Skills

Languages and Technologies: JavaScript, TypeScript, HTML, CSS, SASS, SQL, Node JS, PHP, Python, C++, Jest, NPM

Frameworks and Libraries: React, Redux, Angular, Next JS, jQuery, Tailwind CSS, WordPress, Express JS, Laravel

Databases and Tools: MySQL, Google Firebase, GIT, BitBucket, Figma, Strapi (CMS)

Experience

Software Engineer

July 2023 - Present

ZapCom Group Inc

Bangalore

- Completed and deployed a **multi-tenancy** loyalty platform for 10+ diverse clients using **Angular** and **TypeScript**.
- Took **ownership** of the project development life-cycle, including **reviewing the code written by teammates** and meeting all delivery timelines. **Received a certificate for exceptional teamwork and outstanding performance**.
- Developed UI and Integrated APIs** for essential modules of the loyalty platform, specializing in authentication, profile management, reward systems, scan flows, Google analytics, product traceability and transaction histories.
- Resolved 100+ critical and functional bugs** across multiple project deliveries, ensuring their deadlines are met.
- Led design discussions, proof-of-concepts**, and developed guided tours and product traceability modules.
- Collaborated with UX researchers to **conceptualize and design** the company website, implemented it using **React**.
- Optimized** the company's website to **improve Lighthouse performance scores by 20%**, enhancing user experience.

Software Developer Intern

July 2022 - Dec 2022

KNOLSKAPE Solutions Pvt Ltd

Remote

- Redesigned and developed a **responsive UI** for generating post-course completion reports, utilizing **React** and **SASS**.
- Integrated the company's API into the UI to gather comprehensive user data for performance evaluation.

Software Developer Intern

Oct 2021 - Feb 2022

CuriousJr

Remote

- Developed several small-scale projects for the company utilizing **HTML**, **CSS**, **JavaScript**, and **jQuery**, integrating them with their framework. One of these projects garnered over 5,000 active users within their app.

Projects

WorldWide - My Travel List | *React.js, React Router, CSS modules, Leaflet*

[GitHub](#)

- Built a **React** application with the **Leaflet library** and the **Geolocation API** for an interactive map, allowing users to interact with map features to add locations, storing city and country data.
- Developed a UI utilizing **React** and **CSS modules** to display visited cities and countries, allowing users to add notes.
- Utilized **react-router** for navigation and **protected routes** to fake auth, and used **json-server** to store data locally.
- Employed performance optimization methods like **useMemo** and **useCallback** to minimize wasted renders.
- Utilized **Context API** and **useReducer** for **Global State Management** and created **custom hooks** to encapsulate and reuse logic throughout the application.

Virtual Event Management System | *Node.js, Express, MongoDB, JWT, Twilio SendGrid's Email API*

[GitHub](#)

- Architected and developed** a backend for an Event Management System using **Node.js**, **Express.js**, and **MongoDB**, featuring secure **bcrypt password hashing**, **JWT-based session management**, and **role-based access control**.
- Developed comprehensive RESTful APIs** for user authentication, event management, and participant registrations, utilizing **async/await** and **Twilio SendGrid's Email API** for automated email notifications for successful registrations.
- Designed scalable database schemas** for users and events, supporting **CRUD operations** with authorization, while ensuring data integrity, security, and seamless migration from in-memory structures to **MongoDB** for persistence.

usePopcorn | *React.js, OMDb API*

[GitHub](#) | [Demo](#)

- Developed a **responsive** movie review app using **React**, featuring **search functionality** powered by the **OMDb API**.
- Implemented an **interactive star rating component**, allowing users to provide feedback through a customizable rating system, implemented **Debouncing** to reduce the number of API calls and used **custom-hooks** to encapsulate logic.