Mukul Agrawal

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Summary

Passionate Computer Science student with expertise in full-stack development using the MERN stack. Adept at building scalable, user-centric applications through innovative solutions and efficient problem-solving techniques.

Interned at Gemini Consulting & Services and Persistent Systems, where I contributed to creating impactful client solutions and developing a hospital management system.

Aiming to leverage my technical skills and collaborative approach in a challenging role within a growth-oriented organization.

Experience

Google Developers Group On Campus, PCCOE   **September 2024 – Present**

Web Development Head

- Leading web development initiatives, including feature enhancement and deployment for campus-wide projects.
- Collaborating with a team to deliver responsive and scalable web applications.

Gemini Consulting & Services India Pvt Ltd   **July 2024 – August 2024**

Intern

- Developed client-centric solutions using modern web technologies.
- Collaborated with cross-functional teams to enhance system functionalities.

Persistent Systems Ltd.   **May 2024 – June 2024**

Project Intern

- Designed and implemented a feature-rich hospital management system to streamline operations.

Google Developers Student Club, PCCOE   **September 2023 – August 2024**

Web Executive

- Enhanced website features to improve user engagement and event visibility.
- Organized workshops and events, ensuring effective online presence and functionality.

Projects

AI-Powered Quiz Generator | *React, Node.js, MongoDB, AI Models*

- Engineered an **AI-driven platform** enabling educators to create quizzes directly from teaching materials, including seamless **document uploads** and automatic **question generation**.
- Implemented a robust **grading system** for automated scoring, providing detailed insights into **student performance trends** over time.
- Designed a highly **intuitive user interface** with **customizable quiz settings** and **AI-powered question recommendations**, enhancing user engagement and flexibility.

Hospital Management System | *MongoDB, Express, React, Node, Nodemailer, Cloudinary*

- Built a full-stack hospital management system using the MERN stack to manage doctors, admins, and appointments.
- Implemented **admin features** including adding new doctors and admins, managing appointments, accepting/rejecting appointments, and sending email notifications to patients upon appointment acceptance.
- Developed **doctor features** for managing schedules and viewing upcoming appointments.
- Added **patient features** for booking appointments and receiving email notifications about appointment status.

YouTube Clone | *React, Redux, React Icons, Tailwind CSS, YouTube API*

- Developed a YouTube clone replicating core functionalities of YouTube using React and Redux for state management.
- Integrated a **video search feature** with the YouTube API to fetch and display results based on user queries.
- Implemented a **recommendation engine** displaying suggested videos based on user search history and interactions using YouTube API data and custom algorithms.
- Enhanced user experience with an **ad-free viewing option**.
- Added **infinite scrolling** to dynamically load more videos as the user scrolls down the page.

Technical Skills

Languages: C++, JavaScript, Python, Java
Frontend: HTML, CSS, React, Redux, Tailwind CSS
Backend: Node.js, Express.js, PHP, Laravel
Databases: MongoDB, SQL
Tools: Git/GitHub, VS Code, Nodemailer, Cloudinary
Microsoft Office: Word, Excel, PowerPoint

Education

Pimpri Chinchwad College Of Engineering, Pune	**Pursuing 3rd year**
B.Tech in Computer Science and Engineering	*Expected Graduation: Apr 2026*
SNBP International School	**2022**
CBSE, Class 12; Percentage: 82	
Blossom Public School	**2020**
CBSE, Class 10; Percentage: 88	

Achievements

Secured 2nd place in WebWizardArena by PCCOE ACM-W Student Chapter.

Solved over 100 problems on competitive coding platforms like GFG and LeetCode.

Developed a website for Hackathon Alphabyte as part of the Anantya Event.

Certifications

The Complete 2024 Web Development Bootcamp	Udemy (July 2024)
Mastering Data Structures & Algorithms using C and C++	Udemy (June 2024)

Personal Profile

Name: Mukul Agrawal

Father's Name: Dr. Rajesh K Agrawal

Date of Birth: 22 June 2004

Gender: Male

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