RAM MOHAN PATEL | 21AG36019

AGR. FOOD ENGG.AGRI SYSTEMS AND MGMT.(M.Tech Dual 5Y)

EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2026	M.TECH Dual Degree 5Y	IIT Kharagpur	8.80 / 10
2021	CBSE Class XII Exam	M.L. Convent School, Jalaun	84.8%
2019	CBSE Class X Exam	M.L. Convent School, Jalaun	93.2%

INTERNSHIPS

Machani Group | Nextjs, Clerk, Tailwind [May'24-July'24]

• Developed and deployed an intuitive full-stack internal data storage website with advanced **search and filtering**
• Managed more than **500** active users and **10,000+** documents, used server side rendering for improving the **SEO**
• Implemented **role-based** access control using **Clerk** authentication, ensuring secure and structured user access
• Incorporated **Sanity CMS** for streamlined content management and integrated **Mux** plugin for video handling
• Enabled **preview** feature that increased content accuracy and reduced **50%** publishing errors, improving efficiency

PROJECTS

Online Book Store | Stripe, Sanity-CMS, Nextjs [Jun'23-July'23]
(Live link : https://rambookstore.netlify.app/   Github link : https://github.com/rammohanpatel/Online-Book-Store)
• Integrated **Stripe** payment gateway for secure and convenient transactions, providing good checkout experience
• Leveraged advanced **collaboration** features of the **Sanity CMS** for streamlined and efficient content management
• Established **7+** diverse book categories, including self-help, biographies etc, to cater to varied reader preferences
• Utilized Next.js **Context API** to create a robust data store, enhancing SEO and overall website performance by **20%**

TubeVibe | Reactjs, Rapid API, Material UI [Mar'23-Apr'23]
(Live link : https://tube-vibe-web-app.vercel.app/   Github link : https://github.com/rammohanpatel/Youtube_Clone)
• Engineered a frontend web application with **ReactJS** and **Material UI**, integrating YouTube API via Rapid API
• Enhanced the user engagement by offering video **recommendation**, detailed channel pages, views and likes counts
• Incorporated a responsive react **video player** with advanced controls for seamless playback of sourced videos
• Implemented custom categories and video **search** functionality to improve content organization and accessibility

Task Manager | MERN-Stack, Tailwind [May'23]
(Live link : https://task-manager-by-ram.vercel.app/   Github link : https://github.com/rammohanpatel/Task-Manager-Web-App)
• Established task creation, editing, and deletion using **React** for seamless functionality within the web application
• Integrated user **authentication** for secure **registration** and login, with task prioritization based on urgency
• Developed task management features allowing users to set **due dates** for organization and mark tasks as **completed**
• Implemented user-friendly **filtering** and **search** functionalities to enhance task navigation seamlessly in the app

AWARDS AND ACHIEVEMENTS

• Secured a rank among the top **3.6%** of more than **1 million** registered candidates in the JEE Main 2021
• Ranked among the top **5** students out of **73** students in the graduating batch of 2026 within Agfe department
• Secured the **2nd** rank in the city and **topped** the school in class X CBSE exams during the academic year 2018-2019

SKILLS AND EXPERTISE

Programming Languages : C | C++ | HTML | CSS | Javascript | Python | SQL
Framework and Libraries : React.js | Next.js | Express.js | Node.js | Redux | Tailwind CSS | BootStrap | C++ STL
Tools : Git | Github | Gitlab | Docker | VS Code | Excel

COURSEWORK INFORMATION

Programming and Data Structures* | Probability and Statistics | Advanced Calculus | Linear Algebra and Numerical Analysis | Partial Differential Equations | Basic Electronics* | Electrical Technology* | Economics   *(courses with lab)*

POSITIONS OF RESPONSIBILITY

Technology Head | Agricultural Engineering Society [May'23-Apr'24]

• Lead a **7-member** team in the enhancement of the society's website, ensuring its effectiveness and accessibility
• Instructed over **10** individuals in web development, fostering skill development and digital endeavours in society
• Achieved a remarkable YoY increase of **27 %**, drew participation of **200+** attendees, in 14th edition of Prakriti
• Mentored a team for events such as Quizella, Krishimanthan, and Panel Discussions, and hosted webinars

EXTRA CURRICULAR ACTIVITIES

Member | Volleyball Association | IIT Kharagpur
• Successfully organised **14** interhall **volleyball matches** which saw a participation of more than **150** students.
• Actively Contributed to Volleyball Team as member of National Sports Organisation from Dec' 21 to Apr' 23.