

# PANKAJ KUMAR GUPTA

Muradnagar, Ghaziabad

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## EDUCATION

### KIET GROUP OF INSTITUTIONS

2021 – 2025

*Bachelor of Technology in Computer Science - CGPA - 7.1*

*Muradnagar, Ghaziabad*

## RELEVANT COURSES

- Data Structures
- Software Methodology
- Operating Systems
- Oops Concepts
- Algorithm Analysis
- DBMS
- Computer Network

## PROJECTS

### Contact Manager [🔗](#) | Node.js, Express, MongoDB

2023

- Developed a RESTful API using Node.js and Express, implementing CRUD operations for efficient management.
- Integrated MongoDB for scalable data storage, optimizing query performance through indexing.
- Established comprehensive security protocols with JWT authentication, ensuring robust data protection and user privacy.

### Activity Tracking Website [🔗](#) | React.js, Redux

2023

- Developed a responsive **single-page application (SPA)** using **React.js**, optimizing task management for 50+ college club members.
- Architected efficient state management using **Redux**, improving component reusability and reducing code redundancy by **20%**.
- Designed a user-friendly interface with **Material-UI**, resulting in a **30% decrease** in time spent on task updates.

### ApparelRecyclingMVP [🔗](#) | React.js, Node.js, MongoDB

2024

- Architected a full-stack **MERN solution** for a sustainable fashion initiative, implementing **RESTful APIs** for seamless data flow.
- Created a streamlined user experience with **React.js**, achieving a **25% reduction** in form submission time.
- Implemented robust data security measures using **MongoDB**, ensuring compliance with privacy standards.

### Personal Portfolio [🔗](#) | React.js, Tailwind CSS, Framer Motion

2023

- Built a responsive portfolio using **React.js**, achieving a **40% boost** in performance metrics.
- Leveraged **Tailwind CSS** for efficient styling, reducing development time by **25%** while ensuring responsive design.
- Integrated **Framer Motion** for smooth animations, leading to positive feedback from **5 potential employers**.

## OPEN SOURCE CONTRIBUTIONS

### RuxailLab (Uramaki Lab) [🔗](#)

2024

#### *Contributor*

*Remote*

- Contributed to **UX Remote LAB**, an open-source project developing a user-centric platform for usability testing and heuristic evaluation, serving **500+ UX researchers** globally.
- Optimized image loading strategies to enhance web application performance, reducing initial load time by **40%** and decreasing bounce rate by **25%**.
- Enhanced website responsiveness through various techniques including **lazy loading** and **asset compression**, resulting in a **60% faster** page rendering speed.
- Executed **SEO best practices**, leading to a **10% boost** in organic traffic and achieving **good search rankings** for key usability testing keywords.

## TECHNICAL SKILLS

**Programming Languages:** C/C++, JavaScript

**Web Development:** HTML, CSS, React.js, Node.js

**Databases:** MySQL, MongoDB

**Software & Tools:** Git, GitHub, Docker, Postman

## ACHIEVEMENTS

### College Internal Hackathon

2023

#### *Semifinalist*

*KIET Group of Institutions*

- Competed and reached the semifinals among 200+ participating groups.