Niyati Gupta

Software Engineer

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SUMMARY

Final-year Computer Science B.Tech student skilled in full-stack development with React, Node.js, MongoDB, TypeScript, and Next.js. Passionate about solving problems and eager for a software engineering role to innovate and learn.

SKILLS

Programming Languages   JavaScript (Client & Server-side), TypeScript, SQL, Python, C++
Web Development Frameworks and Libraries   React.js, Next.js, Node.js, Express.js
Database and Data Management   MongoDB, RESTful APIs
Frontend Technologies   HTML5, CSS3, TailwindCSS, Redux, Framer Motion
Tools and Technologies   Git, Bash, Linux
CourseWork   Object-Oriented Programming (OOP), Data Structure, Operating System, Database Management System, Data Structures

PROJECTS

MessPortal Link   Present
- **Enhanced Security and Accountability:** Implemented a login system restricted to college domain IDs, bolstered by a dual verification process enabling both self-verification by students and verification by wardens.
- **Efficient Complaint Management System:** Enabled students to register, view, upvote/downvote, and comment on complaints, while allowing wardens to resolve or escalate issues, enhancing transparency and responsiveness.
- **Automated Billing and Expense Management:** Implemented a system where student leaves are marked by wardens, directly affecting monthly bill calculations, and provided accountants with tools to manage expenses and update costs efficiently.
- **Robust User Roles and Permissions:** Established distinct functionalities for students, wardens, and accountants, ensuring efficient and secure operations tailored to each user role.

NestNexus Link
- Enhanced security by implementing advanced authentication mechanisms using **JWT, Firebase, and Google OAuth,** ensuring robust protection, user trust, and secure access management.
- Optimized data management through efficient **CRUD operations** for property listings, integrated intuitive functionalities like image uploads, and developed comprehensive property management tools.
- Improved user experience by deploying **advanced search functionality** with cutting-edge algorithms and filters, enabling seamless property discovery, high user engagement, and efficient management of multiple property listings.

Tweeter Link
- Developed and deployed a **Twitter-inspired** social media application named "X" , showcasing proficiency in full-stack web development using **React, Node.js, Express.js, MongoDB, and Cloudinary**.
- Implemented robust user authentication with JSON Web Tokens (JWT) and utilized **React Query** for efficient data fetching and caching, enhancing application security and performance.
- Integrated **Cloudinary for image uploads and real-time notifications**, augmenting content sharing and user engagement, while ensuring seamless application integration.

EXPERIENCE

Frontend Developer Intern   Dec '22 — Feb '23
IIT Patna   Remote
- Designed and Improved a user interface with dynamic routing, enhancing user navigation in collaboration with a team of
- Integrated the Monaco Editor into the project's frontend, streamlining code file management and bolstering workflow efficiency to manage multiple coding tasks simultaneously.

EDUCATION

B.Tech in Computer Science, National Institute of Technology, Srinagar   2020 — 2024
                                                                                                          Srinagar, India
- Current GPA: 8.02/10

Class 12th in , Jodhamal Public School   2019 — 2020
                                                                                                                   Jammu
- Secured 94%