APALAK RAJESH

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EDUCATION

G L Bajaj Institute of Technology and Management, Greater Noida — Nov 2021 – July 2025
B.Tech in Computer Science and Engineering (AIML) (CGPA - 8.0) — *Greater Noida, Uttar Pradesh*

Lions School, Mirzapur — 2020 – 2021
Intermediate (Percentage - 93.2%) — *Mirzapur, Uttar Pradesh*

TECHNICAL SKILLS

Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, Computer Networks, Operating Systems, Database Management Systems.

Languages: C++, C, JavaScript, Python.

Developer Tools: VS Code, Git, GitHub, PyCharm, Postman, Jupyter Notebook.

Technologies and Frameworks: NodeJS, ExpressJS, Socket.io, EmbeddedJS, MongoDB, MySQL.

PROJECTS

Chess Game | *Express.js, Socket.io, EJS* | GitHub — March 2024 – April 2024
- Engineered a real-time chess platform with **Socket.io, Express.js, and EJS** for online interactive play.
- Established **WebSocket communication** for immediate updates and player synchronization.
- Crafted an intuitive interface using **EJS** for dynamic content presentation.
- Enhanced server performance and maintained data integrity through **Express.js**.
- Executed rigorous testing and debugging to ensure system reliability.

URL Shortner | *Node.js, Express.js, MongoDB, EJS* | GitHub — April 2024 – May 2024
- Designed a URL shortener leveraging **Express.js and MongoDB**, adhering to the **MVC architecture**.
- Employed **MongoDB** for efficient data management and storage of shortened **URLs**.
- Developed server-side rendering with **EJS** for interactive and responsive web pages.
- Integrated functionalities for **URL** creation, redirection, and analytics to improve user experience and operational efficiency.

Car Rental System | *C++, OOPs* | GitHub — June 2024 – July 2024
- Created a console-based car rental application using **C++ and object-oriented programming principles**.
- Added features for **Car rental and return**, incorporating real-time availability and rental duration tracking.
- Administered customer and vehicle records, including **brand, model, and pricing details**.
- Ensured precise rental pricing based on duration to enhance reliability and user satisfaction.

ACHIEVEMENTS

- LeetCode: **1500+ Rating**, Solved **500+ Problems**.
- Selected among 150 teams for the **Smart India Hackathon**.
- Participated in over **60 online contests** on various coding platforms.
- Achieved **3k** rank among **27k** participants in a **LeetCode Bi-weekly Contest**.

EXTRA CURRICULAR

- Headed the **Music Club** at **G.L. Bajaj Institute of Technology and Management**, organizing and leading musical events and activities.
- **Lead guitarist** in the Band **Ridam**, performing at various college and local events, showcasing musical talents and collaboration skills.