

LAKSHYA PRABHAKAR

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TECHNICAL SKILLS

Languages: C++, Python, **Java**, **JavaScript**

Databases: MySQL, MongoDB

Tools and Frameworks: **ReactJS**, Git, Docker, **NodeJS**, Express, Postman

Technical Skills: Problem Solving, Data Structures and Algorithms (DSA), System Design, OOPS, OS

PROJECT WORK

- **ECHOES (SNS WEB APP)** | (ReactJS, Tailwind, MongoDB, NodeJS) [\[Link\]](#) | [\[GitHub\]](#)
 - Developed a full-stack MERN-based social media platform. Implementing the **MVC architecture**
 - Implemented **authentication & JWT token authorization** for secure user management.
 - Optimized database queries using **indexing**, **reducing query times and improving scalability for handling large datasets by up to 70%**, while simulating **real-time responsiveness**
 - Enhanced **API efficiency by implementing pagination**, **improving response times and reducing server load** in larger dataset **by up to 80%**.
- **RENTLY** | (ReactJS, Bootstrap, MongoDB, NodeJS) [\[Link\]](#) | [\[GitHub\]](#)
 - Developed a full-stack MERN application focused on property listing and rental management.
 - Designed and **implemented RESTful APIs to handle end-to-end CRUD operations** for properties and user data.
 - Integrated secure, **session-based authorization** and access control to protect sensitive user actions.
 - Structured backend logic using the **MVC pattern** to enhance code maintainability and scalability.
 - Ensured consistent **data validation and error handling** across all backend services.

EXPERIENCE

Machine learning and GEN AI Summer Internship: [\[Link\]](#)

AUGUST 2024

AI-SHALLA

- Learned about **LLMs, transformers, and Retrieval-Augmented Generation (RAG)**; gained hands-on experience with fine-tuning techniques like **LoRa**.
- **Generative artificial intelligence:** Learned GenAI concepts, developed chatbots, and created the QuizzBot-An LLM bases project finetuned to generate quizzes for the user.
- Ranked among the top performers in the program

EDUCATION

B. Tech in Information Technology, Maharaja Surajmal Institute of Technology, GGSIPU (2022-26)

CGPA: **7.92**

12th Grade (PCM), St. Cecilia's Public School, 2021

PERCENTAGE: **96.6%**

10th Grade, St. Cecilia's Public School, 2019

PERCENTAGE: **96.8%**

ACHIEVEMENTS

- Top Ranker in Machine Learning and Generational AI summer training
- Solved 400+ DSA problems on **LEETCODE**
- Scored **92%** in **Object Oriented Programming Skills**
- 900+ rating on CodeForces