Lakshaya

📞+91 7904771562 | ✉ lakshayakarun11@gmail.com | 🔗 Lakshaya K
| 🔗 lakshaya14 | 🔗 Lakshaya_karun

Education

Mount Zion College of Engineering and Technology   Pudukkottai

B.E. Computer Science and Engineering   2022 - 2026

CGPA: 8.19(Up to 6th Semester)

Jayarani Matriculation and Higher Secondary School   Pudukkottai

Higher Secondary Education

SSLC: 95.8 | HSC: 82.5

Experience

Software Developer Intern   Chennai

Zedindex   25 June - 25 July 2025

- Developed a **scalable User & Product Management system** using Next.js and Tailwind CSS, improving UI responsiveness and usability
- Implemented **CRUD operations** and optimized component reusability, reducing development effort
- Collaborated with cross-functional teams to deliver **clean, maintainable, and user-centric interfaces**

University Projects

Travel & Tourism Web Application

- **Technologies:** HTML, CSS, JavaScript
- **Description:** Designed and developed a responsive travel and tourism website to showcase destinations, cultural highlights, and travel packages
- Implemented interactive UI components using JavaScript for navigation, destination filtering, and category-based booking sections

Student Course Management System

- **Technologies:** JavaFX, JDBC, SQL
- **Description:** Designed a desktop application to manage student enrollment, course registrations, and database interactions
- Applied **JDBC and SQL** to ensure data integrity and efficient retrieval

Smart Gatekeeper - Automatic Number Plate Recognition

- **Technologies:** Python, OpenCV, PaddleOCR, SQL, Tkinter
- **Description:** Developed a real-time vehicle number plate detection and recognition system using OpenCV and PaddleOCR
- Optimized image preprocessing pipeline to improve OCR accuracy and reduce false detections.
- Implemented database indexing for faster vehicle record retrieval.
- Stored recognized plate numbers with timestamps in an SQL database and displayed results via a Tkinter interface

Activities

- Achieved a 72% score in the TCS National Qualifier Test (NQT) for IT, demonstrating strong aptitude and programming fundamentals
- Solved 150+ DSA problems on LeetCode and HackerRank, focusing on arrays, strings, hashing, and recursion
- CSI InApp International Student Awards – Finalist (2024)
- Earned certifications from IBM, GUVI, Infosys Springboard, LetsUpgrade, TCS iON, and Udemy
- Completed industry-recognized certifications in Java, SQL, and Web Development

Additional

Core Programming: Java, Python, OOP, DBMS, Data Structures

Frameworks & Libraries: React.js, Next.js, Tailwind CSS

Web Technologies: HTML, CSS, JavaScript

Desktop & UI Development: JavaFX, Tkinter

Database & Tools: SQL, JDBC, GitHub, VS Code, Figma