

# Lithika Murugesan

lithika2404@gmail.com | +91 7806837553

GitHub | LinkedIn | LeetCode

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## Career Objective

Computer Science undergraduate with strong foundations in Data Structures, Object-Oriented Programming, and backend development. Hands-on experience in building RESTful APIs and full-stack MERN applications. Seeking an entry-level Software Developer role to contribute to scalable and reliable software systems.

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## Education

<b>Sri Shanmugha College of Engineering and Technology, Salem</b>	2022 – 2026
B.E. Computer Science and Engineering	CGPA: 8.02
<b>Krishnaveni Govt Girls Hr Sec School, Pallipalayam</b>	2021 – 2022
Higher Secondary Certificate (HSC)	81%

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## Technical Skills

**Languages:** Java, C

**Core CS:** Data Structures, OOP, Operating Systems

**Backend:** Node.js, Express.js, REST APIs, JWT

**Frontend:** HTML, CSS, JavaScript, React.js

**Databases & Tools:** MongoDB, MySQL, Git, GitHub, Postman

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## Experience

**Aroopa Technologies Pvt. Ltd., Chennai** Mar 2025 – Jun 2025  
*Software Developer Intern*

- Developed backend modules using Java and Node.js following clean architecture principles.
- Designed, tested, and documented RESTful APIs using Express.js and Postman.
- Collaborated with team members to debug issues and improve application performance.

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## Projects

**FeeHive** GitHub

- Developed a full-stack MERN fee management system to manage students, fees, receipts, and transactions.
- Implemented JWT-based authentication, role-based access control, and secure REST APIs.
- Designed MongoDB schemas using Mongoose and built a responsive React dashboard.

**ExpensioX** GitHub

- Built a full-stack expense tracker to record, update, and categorize daily income and expenses.
- Implemented CRUD APIs using Node.js and Express.js with MongoDB persistence.
- Designed a responsive React interface with form validation and dynamic data rendering.

**EduReg** GitHub

- Developed an academic registration system using object-oriented programming and real-world workflows.
- Designed core entities and relationships (students, courses, departments) and implemented CRUD operations.
- Simulated registration processes including course enrollment, prerequisites check, and conflict resolution.

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## Achievements

- Winner of **Code at Christmas** – National-Level Hackathon.
- Solved 200+ Data Structures and Algorithms problems on LeetCode and HackerRank.

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## Certifications

- NPTEL – Cloud Computing
- NPTEL – Deep Learning and Visual Computing
- Novitech – Full Stack Development Training