# SABARI D

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## EDUCATION

**B.E. in Computer Science and Engineering**, Karpagam Institute of Technology          2023 – 2027
CGPA: 8.0 / 10.0

## SKILLS

| | |
|---|---|
| **Languages** | C++, C, JavaScript (ES6+), SQL |
| **Frameworks & Technologies** | Node.js, Express.js, React, MongoDB, MySQL. |
| **Developer Tools** | Git, VS Code, Postman |
| **CS Fundamentals** | Data Structures & Algorithms, OOPS,OS DBMS, Computer Networks. |
| **Soft Skills** | Team Management, Self-Driven. |
| **Exploring** | Machine Learning, Artificial Intelligence,Block Chain,Cryptography. |

## EXPERIENCE

**Web Development Intern (Backend)**, Artlysoft Technologies          May 2025 – Aug 2025
Artlysoft Technologies          *Krishnagiri, India*

- Engineered robust backend services using **Node.js**, **Express.js**, and **MongoDB** for a new e-commerce module, ensuring **99.9% uptime**.
- Reduced average data retrieval latency by **30%** by optimizing **MongoDB** queries with strategic indexing and aggregation pipelines.

## PROJECTS

**Full-Stack Developer, AI-Powered Hostel Management System**          2024 – 2025
Karpagam Institute of Technology          *Academic Project*

- Architected a full-stack **MERN** system featuring an analytics dashboard, reducing administrative reporting and data entry time by **40%**.
- Automated key hostel operations including digital leave approvals and attendance tracking, cutting paperwork and manual errors by over **95%**.
- Implemented a real-time complaint and maintenance-request module, improving issue-resolution tracking and reducing average response time by **50%**.

**Full-Stack E-Commerce Application**          May 2024 – Aug 2024
Personal Project          *MERN Stack*

- Developed a complete **MERN** e-commerce platform with a secure **REST API** backend and a responsive **React** frontend for a seamless user experience.
- Implemented **JWT-based authentication** for role-based access control and integrated the **Stripe API** to handle secure payment processing.

## AWARDS AND ACHIEVEMENT

- Presented research paper "The Future of AI in Mobile Application Development" at the International Conference (ICLTSET '24).
- Solved **500+ problems on LeetCode** and hundreds more on Codeforces and CodeChef, demonstrating strong proficiency in data structures and algorithms.
- Earned an **Advanced SQL Certification from HackerRank (Aug 2025).**
- Awarded a certificate in **Advanced C++  Data Structures**,covering competitive programming paradigms.