

# MUGILAN C | Portfolio

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## Education

### CMR Institute of Technology

Bachelor of Engineering in Computer Science | CGPA: 7.99

12/ 2021 – 05/2025

Bengaluru, Karnataka

### CMR National PU College

Pre-University(Science) | Percentage: 80.66%

07/2021

Bengaluru, Karnataka

### Poornaprajna Education Center

SSLC | Percentage: 82.08%

04/ 2019

Bengaluru, Karnataka

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## Technical Skills

- **Programming Languages** : Java, Python, JavaScript, HTML, CSS.
- **Frameworks** : Django, React.
- **Tools and Libraries** : Docker(basic), GitHub, Restful API
- **Databases** : MongoDB, MySQL.

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## Experience

### FULL STACK DEVELOPMENT INTERN | [Extion Infotech](#)

10/2024 to 02/2025

- Engineered key modules of a Blood Bank Management System that improved donor registration speed by 30%.
- Executed user-facing pages (donor sign-up, admin login) using React.js.
- Applied backend functionality using Node.js and MySQL.
- Enforced user roles, authentication, and data security.
- Collaborated with the team to debug and enhance UI/UX.

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## Projects

### Guild Based Online Coding Platform | HTML, CSS, JavaScript, React JS, Spring Boot, SQL, Docker | [Link](#)

- Increased learner engagement by 30% by launching an AI-driven coding platform featuring **guild challenges**, leaderboards, and real-time collaboration powered by **Web-Sockets**.
- Delivered scalable, secure **automated code evaluation** by containerizing test execution with **Docker** and validating submissions across **multiple test cases that** reduced wrong evaluation by 20%.

### Bike Rental System | HTML, CSS, JavaScript, Next JS, Django | [Link](#)

- Developed a full-stack web application for managing online bike rentals with booking, availability tracking, and dynamic pricing features.
- Designed intuitive, responsive interfaces ensuring a seamless user experience across devices.
- Integrated frontend and backend systems for real-time data handling and efficient rental confirmations.

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## Achievements and Certifications

- Published a research paper “[Guild based Online Coding Platform and Gamification Features](#)” in IEEE explore.
- Java for Beginners – Learn all the Basics of Java | [Link](#)
- Completed '100 Days Python Bootcamp' on Udemy | [Link](#)