

Prathap J

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EDUCATION

M.I.E.T Engineering College

Bachelor of Engineering in Computer Science (CGPA: 7.62 / 10)

Tiruchirappalli, Tamil Nadu

2021 – 2025

V.E.T Higher Secondary School

Higher Secondary Certificate (HSC) — 82.8%

Cuddalore, Tamil Nadu

2020 – 2021

EXPERIENCE

Software Development Intern

CodeBind Technologies

July 2024 – August 2024

Trichy, Tamil Nadu

- Designed and developed a responsive e-commerce web application for food services using HTML, CSS, JavaScript, and Bootstrap.
- Implemented core frontend features such as product listings, user forms, and client-side validations.
- Integrated backend functionality using Python and SQL for managing user data and application workflows.
- Debugged UI and backend issues to improve application stability and user experience.
- Worked collaboratively with team members following basic software development and version control practices.

In-Plant Training

Lenovo India

September 2023

Pondicherry, India

- Observed end-to-end laptop manufacturing processes including assembly, testing, and quality assurance.
- Gained exposure to large-scale production workflows and cross-team coordination.
- Developed an understanding of professional work environments and industrial standards.

PROJECTS

Library Management System

React.js, Java, Spring Boot, Spring Security, SQL

- Developing a full-stack Library Management System using React.js for the frontend and Spring Boot for backend services.
- Implemented role-based authentication and authorization using Spring Security for Admin and User access.
- Designed RESTful APIs to manage books, users, and borrowing operations with secure data handling.
- Integrated SQL database for persistent storage of library records and user activity.
- Focused on building a scalable and secure application following standard full-stack development practices.

Autonomous Vehicle Lane Detection System

OpenCV, Deep Learning, Python

- Developed a real-time lane detection system using OpenCV and deep learning techniques.
- Processed video frames to identify lane boundaries under varying lighting and road conditions.
- Implemented vehicle speed estimation and alert mechanisms to improve driving safety.
- Designed the system for future integration with intelligent transportation systems.

Gym Management System

HTML, CSS, JavaScript, Bootstrap

- Built a web-based gym management system to handle memberships, class schedules, and trainer management.
- Developed a responsive user interface using HTML, CSS, and Bootstrap.
- Implemented client-side logic with JavaScript to enhance usability and interaction.

TECHNICAL SKILLS

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

Backend: Java, Spring Boot

Database: SQL

Tools: Git, VS Code, IntelliJ IDEA

Core Concepts: Data Structures, Algorithms, Object-Oriented Programming