Bharathi R

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Profile Summary

Final-year Computer Science Engineering student with strong fundamentals in **Data Structures, Algorithms, and OOP**. Hands-on experience in building scalable web applications using HTML, CSS, JavaScript, Python, Flask, PHP, and MySQL. Strong problem-solving ability with a keen interest in backend and system-oriented development.

Education

Tagore Engineering College, Chennai	**Nov 2022 – May 2026**
B.E. Computer Science and Engineering	*CGPA: 8.13 / 10*
Higher Secondary Certificate (HSC)	**2022**
State Board	*Percentage: 73%*
Secondary School Leaving Certificate (SSLC)	**2020**
State Board	*Percentage: 85%*

Technical Skills

- **Programming:** Python, JavaScript, PHP
- **Core CS:** Data Structures & Algorithms, Object-Oriented Programming
- **Web Technologies:** HTML5, CSS3, JavaScript, Flask
- **Database:** MySQL, phpMyAdmin
- **Systems:** Linux (Basics)
- **Tools:** Git, GitHub

Experience

Web Development Intern – IIT Madras	**Jun 2025 – Jul 2025**
Chennai	

- Developed backend modules using Flask and MySQL with proper data validation and control flow.
- Applied OOP concepts to structure reusable and maintainable code.
- Improved application performance through debugging and logical optimization.

Projects

- **Course Registration System** – Designed a full-stack system with authentication, role-based access, and database normalization using Flask and MySQL.
- **Real-Time Sensor Dashboard** – Implemented efficient data handling with search, sort, pagination, and threshold-based logic using PHP and MySQL.
- **Employee Management Dashboard** – Built a structured CRUD system using Python Flask and CSV data, focusing on clean logic and modular design.

Certifications

- **Revature Pre-Training Program (PEP – Python SQL Data)** – Intensive training in Python, SQL, Hadoop, Hive, Spark, PySpark, and Cloud technologies (Oct 2025 – Jan 2026).
- The Joy of Computing Using Python – Elite (NPTEL, IIT Madras), 86%
- Generative AI – GUVI (IIT-M & HCL Initiative)
- Kickstart Python – Code First Girls

Languages

- English (Fluent)
- Tamil (Fluent)