

PRATHAP M

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CAREER OBJECTIVE

Motivated Electronics and Communication Engineering graduate with a strong foundation in **Java, MySQL, HTML, CSS, and Spring**, seeking an entry-level role in **software development**. Passionate about building **scalable applications, systems software, and backend services** with a focus on **efficiency and security**. A problem-solver and team player, eager to contribute to **innovative projects** and enhance technical skills through continuous learning.

PROJECTS

Car Parking Management System (Java, Spring MVC, MySQL)

- Developed a real-time parking management application with CRUD operations for efficient vehicle tracking.
- Designed **RESTful APIs** to improve communication between the frontend and backend.
- Optimized SQL queries to enhance data retrieval speed by 25%.
- Tech Stack: **Java, Spring MVC, MySQL, JSP, HTML/CSS**

Secure Online Banking System (PHP, MySQL, JavaScript)

- Built a transactional banking portal with user authentication, balance tracking, and admin dashboard.
- Ensured data security through input validation and encrypted password storage.
- Tech Stack: **PHP, MySQL, HTML, CSS, JavaScript**

IoT-Based Smart Street Lighting (ESP32, Blynk, C++)

- Developed an energy-efficient street light system with real-time fault detection using **IoT**.
- Programmed automated brightness control based on sensor data, reducing power consumption by ~30%.

TECHNICAL SKILLS

Programming Languages:

- Java, PHP, C

Backend & Frameworks:

- Spring Framework (Spring, Spring MVC, Hibernate)
- JDBC, Servlets

Database & Tools:

- MySQL
- REST APIs, Microservices, Git

Web Development:

- HTML, CSS, JavaScript, Tailwind CSS

Tools & IDEs:

- Eclipse, VS Code

INTERNSHIPS

Student Intern – Elena Geo Systems, Bangalore (July 2023 – Aug 2023)

- Worked with STM32 microcontrollers, interfacing sensors (LEDs, temperature, gyroscope) for data collection.
- Explored GPS tracking modules and location-based technologies for real-time navigation systems.
- Gained hands-on experience in microcontrollers, contributing to the final-year project development.
- Provided regular updates to the instructor, demonstrating effective teamwork and communication skills.

CERTIFICATIONS

- Core C/C++ Programming** – Udemy
- Java Full Stack Development** (Ongoing, Expected Completion: 2025) – JSpiders, Bangalore.

EDUCATION

- CMS College of Engineering and Technology, Coimbatore (2020 – 2024)
B.E. Electronics and Communication Engineering – CGPA: 7.5
- Sapthagiri Matric. Higher Secondary School (2019 – 2020)
Higher Secondary (+2) – 77%