

# Prathamesh Katikar

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## EDUCATION

<b>AISSMS's Institute of Information Technology, Pune</b> Affiliated to Savitribai Phule Pune University Bachelor of Engineering in Electronics and Telecommunication	<b>Aug 2020 – June 2024</b> <b>CGPA – 8.25</b>
<b>L. Apte Jr. College, Pune</b> H.S.C (12 <sup>th</sup> ) Affiliated to Maharashtra State Board of Secondary and Higher Secondary Education Bifocal in Computer Science	<b>Apr 2019 – Mar 2020</b>
<b>P.E.S. Modern Highschool (Eng. Med.), Pune</b> S.S.C (10 <sup>th</sup> ) Affiliated to Maharashtra State Board of Secondary and Higher Secondary Education	<b>Apr 2017- Mar 2018</b> <b>Percentage - 90.80%</b>

## TECHNICAL SKILLS

- Programming Languages: C++, Java (Core & Advanced)
- Web Technologies: HTML5, CSS3, JavaScript
- Frameworks: Spring Core, Spring JDBC, Spring MVC, Spring Boot, Boot Strap, Hibernate
- Databases: MySQL
- IDEs: Microsoft Visual Studio Code, IntelliJ Idea
- Version Control: Git, GitHub

## PROJECTS

### 1) RFID Based Library Management System | Embedded C/C++, Arduino UNO

**Description:** Designed and implemented an RFID-based library management system using the Arduino Uno microcontroller, integrating hardware components and software functionalities to automate library operations and enhance efficiency.

**Tech Stack:** Embedded C/C++, Arduino UNO.

**Key Features:** Automates book identification and tracking, improves efficiency in storage and retrieval operations.

**Role & Responsibilities:**

1. Led the design and architecture of the library management system, defining hardware requirements, sensor placements, and software modules.
2. Integrated RFID technology for book identification and tracking.
3. Developed software components using Embedded C/C++ to interface with RFID readers and the Arduino Uno microcontroller.

### 2) IoT Based Real Time Smart Food Quality Monitoring System (Ongoing) | Embedded C/C++

**Description:** Developing a cutting-edge system integrating Internet of Things (IoT) technology to monitor food quality in real-time.

**Tech Stack:** Embedded C/C++.

**Key Features:** Proactive food quality monitoring to prevent spoilage, contamination, and other issues compromising food safety and integrity.

**Role & Responsibilities:**

1. Leading the hardware and software implementation phase by selecting and integrating the necessary tools and components.
2. Utilizing the ESP32 microcontroller for hardware integration.
3. Developing the software components using Embedded C/C++.

### 3) Expense Management System | Java, Spring MVC, MySQL, HTML, CSS, JavaScript

**Description:** Developed a full-stack application for tracking and managing daily expenses and incomes.

**Tech Stack:** Java, Spring MVC, MySQL, HTML, CSS, Bootstrap, JavaScript.

**Key Features:** Add, update, delete, and list expenses

**Role & Responsibilities:**

Developed frontend screens using HTML, CSS, Bootstrap, and JavaScript.

Developed backend logic using Java, Spring MVC

Implemented Controllers, Service, and DAO layers.