

# Dhulipala Sitarama

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GitHub: <https://github.com/Sitarama19?tab=repositories>

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## Profile

Motivated and detail-oriented Full Stack Developer with hands-on experience in **Python**, **JavaScript**, **React.js**, **SQL**, and responsive design. Currently enrolled in a comprehensive **MERN Full Stack Development program**, building strong foundations in both frontend and backend development. Passionate about creating scalable web applications and solving real-world problems through clean, efficient code.

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## Education

- **Bachelor of Technology in Electrical and Electronics Engineering**  
Gayatri Vidya Parishad College of Engineering (Autonomous) | CGPA: 8.17 | **2019 - 2023**
  - **Higher Secondary School**  
Prathibha Junior College | CGPA: 8.96 | **2017 – 2019**
  - **Secondary School**  
Prathibha Junior College | CGPA: 9.3| **2016 – 2017**
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## Technical Skills

- **Languages:** Python, JavaScript (ES6+), SQL, C++ (Basic)
  - **RPA Tools:** UIPath Studio and UIPath Orchestrator(Basic Knowledge).
  - **Frontend:** HTML5, CSS3, Bootstrap, React.js(Learning), Responsive Web Design
  - **Backend & Databases:** Node.js (Basics), Express.js (Learning), SQLite, SQL
  - **Tools & Platforms:** Git, GitHub, VS Code, PyCharm
  - **Soft Skills:** Problem-Solving, Team Collaboration, Adaptability
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## Projects

### IPL Dashboard Web Application

 [GitHub Repository](#)

**Tech Stack:** React.js, HTML, CSS, JavaScript, RESTful APIs, React Router

- Built a responsive web application that displays IPL team stats and match history.
- Integrated REST APIs to fetch and render team-wise match data dynamically.

- Utilized React Router for seamless navigation between team dashboards.
  - Developed modular and reusable React components (TeamCard, MatchCard, etc.).
  - Applied dynamic styles and loading indicators for enhanced UX.
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## Work Experience

### Product Developer – Embedded Systems & IoT | Airshed Planning Professionals Pvt Ltd | *March 2024 – August 2024*

- Developed 4-channel data samplers using AT mega 2560.
- Engineered and designed intuitive user interfaces for DWIN smart displays, enabling real-time visualization and control of a 4-channel PM2.5/PM10 air quality data sampler.
- Integrated Wi-Fi modules (ESP8266) and SIM800L for remote data transmission.
- Programmed EEPROM-based logging for offline storage and efficient retrieval.
- Debugged and optimized UART, I2C, and SPI communications for reliability.

### Project Assistant – IoT Systems

#### Indian Institute of Technology (IIT), Delhi

*May 2023 – February 2024*

- Designed and prototyped a real-time particulate matter detection sensor.
  - Assisted in sensor calibration, circuit design, and firmware logic for IoT integration.
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## Certifications & Training

- HTML Static & Responsive Design Certification – [View Certificate](#)
- SQL Certification – [View Certificate](#)
- MERN Full Stack Development Program (Ongoing) – NxtWave Technologies
- Regularly building frontend and backend applications using React.js and Node.js.
- Diploma of Completion in Introduction to RPA and Automation