Mutturaj Nilugall

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Professional Summary

Aspiring AI & ML Engineer with a strong computer science foundation and expertise in Python (Django), web development, data analytics, and automation testing. Experienced in IoT and ML-based applications, including crop recommendation and streetlight monitoring systems. Certified by IIT Bombay and IIT Madras, with internship experience in software development and a passion for innovation.

Education

Bachelor of Engineering in Artificial Intelligence & Machine Learning   **2021 – 2024**

Basaveshwar Engineering College, Bagalkot

Skills

- **Programming Languages:** Python (Django), SQL, HTML, CSS
- **Testing & Automation:** Automation Testing (Playwright, Python)
- **Technologies:** Web Development, Data Analytics
- **Operating Systems & Commands:** Linux (Basics)
- **Containerization & Deployment:** Docker
- **Soft Skills:** Problem-solving, Analytical Thinking, Team Collaboration

Experience

IOT Intern

Sovanna Technologies, Bagalkot   **Jul 2023 – Aug 2023**

- Developed an IoT-based Streetlight Monitoring System using PIR sensors for automated lighting control, optimizing energy consumption.
- Enabled real-time monitoring and remote control of streetlights through an IoT platform, enhancing operational efficiency.
- Integrated sensor-based automation to ensure lights activate only when needed, reducing energy waste.

Projects

Crop Recommendation System

- Leveraged the Random Forest algorithm to recommend optimal crops based on input data.
- Designed an intuitive web interface for farmers and agricultural experts.
- Deployed the system on Hugging Face for scalability and accessibility.

Streetlight Monitoring System Using IoT

- Implemented automatic streetlight control using PIR sensors to optimize energy usage.
- Enabled real-time monitoring and remote control via an IoT platform.
- Provided performance insights to enhance operational efficiency.

Certifications

- Python Full Stack Developer, Pyspiders
- Python Workshop, IIT Bombay *(Online)*
- NPTEL Certification in Social Networks, IIT Madras
- Java Certified Foundations Associate: Development Basics

Declaration

I hereby declare that the information provided above is true and correct to the best of my knowledge and belief.