

PULAKHANAM SAI KIRAN

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OBJECTIVE

A passionate and detail-oriented EEE graduate aiming to kickstart a career in full-stack web development. Skilled in JavaScript (JS), with hands-on experience building modular, clean code for dynamic interfaces using React.js. managing databases with MongoDB, including efficient query handling. Eager to collaborate with teams to deliver end-to-end solutions and contribute to development and deployment processes. Looking forward to applying technical and problem-solving skills in a growth-focused organization.

EDUCATION

B.Tech in Electrical and Electronics, St.Anns College of Engineering, Technology chirala

2021 – 2025

CGPA: 7.6/10

Intermediate (MPC), Sri vidya Junior College

2019 - 2021

Percentage: 75%

SKILLS

- **Programming Languages** :Python
- **Web Technologies** HTML, CSS, Bootstrap
- **Databases** :MySQL, SQLite
- **Developer Tools** :Git/Github, VS Code

INTERNSHIPS

YoungMinds Technology solutions

- Contributed as a member in the YoungMinds Technology solutions Pvt.Ltd, to learn the functions of our core division.

PROJECTS

1. Project: Solar Powered Smart Irrigation System Using IOT

- **Objective:** Designed and implemented a smart irrigation and crop protection system powered by solar energy and controlled via IoT.
- **Tech Stack:** Arduino, NodeMCU (ESP8266), Soil Moisture Sensor, DHT11, Ultrasonic & PIR Sensors, MIT App Inventor, ThingSpeak.
- **Energy Efficiency:** Achieved 100% renewable energy usage by integrating solar panels with charge controllers and battery backup.
- **Crop Protection:** Detected and deterred wildlife using PIR and ultrasonic sensors, improving crop safety by **over 60%** in test scenarios.
- **Automation:** Achieved fully autonomous control of water pumps and alert systems based on sensor inputs.
- **Testing & Validation:** Conducted extensive tests on sensor accuracy, solar efficiency, irrigation timing, and mobile app performance.

2. BusPass Web Page

- Objective: Developed a responsive BusPass web page to display pass information clearly and efficiently.
- Technologies Used: HTML, CSS (basic), with a focus on front-end structure and user-friendly layout.

CERTIFICATIONS

- Certificate on completion of Internship at Zakriya Car Works. (JULY 2023)
- Certificate on Participation in workshop on Designing of solar panel systems at Greenvion Energy Technologies (Nov 2023).
- Certificate on completion of Internship on Machine learning at Youngminds Technology solutions Pvt Ltd.

