YASH PAWAR

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OBJECTIVE

Driven engineering graduate with an interest in utilizing cutting-edge technologies such as IoT, AI, and Machine Learning to craft ingenious solutions to real-world challenges. Interested in software development and committed to delivering high-quality results. Excited to apply expertise and creativity to drive forward-thinking projects in an environment that encourages learning, growth, and innovation.

EXPERIENCE

Software Development Intern   Jan 2024 - Present
Larsen & Toubro Limited   *Surat, Gujarat*

- Developed an end-to-end IIoT solution to optimize the temperature monitoring process of Quenching Tanks.
- **Software development** using Python Tkinter GUI toolkit, database connectivity, real-time graphs, and real-time email alerts. [Github Repository](#)
- Used **multithreading** to achieve concurrency between different software functions.
- Improved operational efficiencies and decision-making through real-time data insights.
- Aligned project outcomes with broader industry trends towards **Industry 4.0** adoption.

PLC Programming Intern   July 2023 - Aug 2023
Vasu Automation   *Surat, Gujarat*

- Implemented **PLC programming** solutions & PLC logic structures using Delta ISPSoft, ensuring seamless integration and efficiency in control systems.
- Enhanced industrial automation processes through efficient control logic design and software implementation.

PROJECTS

Worker & Environment Surveillance System. [Github Repository](#)

- Developed a device utilizing RFID technology to monitor and track worker movement in industrial and hazardous environments.
- Presented the project at the "Azadi Ka Amrit Mahotsav" hackathon finals in Gandhinagar.
- Collaborating with Student Startup and Innovation Policy(SSIP) Gujarat for product development.
- Currently involved in rapid prototyping with a grant from SSIP.

Fluid Anomaly Recognition Framework. [Github Repository](#)

- A system that feeds real-time water quality data, including parameters such as the Total Dissolved Solids and Turbidity to a cloud-based Blynk IoT platform dashboard.
- It involved using the ESP 32 Development board with TDS and Turbidity sensors.

Navigation Enabled Reconnaissance Device. [View Report.](#)

- Developed an Unmanned Ground Vehicle designed to navigate through terrain and transmit GPS coordinates to base stations.
- Used an Arduino Mega Development board with a GPS sensor.

EDUCATION

B.E. - Electronics & Communication Engineering, Gujarat Technological University   2021 - 2024
(Grade: 8.26 CGPA)
Relevant subjects: Internet of Things, Artificial Intelligence, Machine Learning, Web Technology, Computer Networks, Embedded Systems, Robotics

Diploma - Electrical Engineering, Gujarat Technological University   2018 - 2021
(Grade: 9.46 CGPA)
Relevant subjects: Microprocessors and Microcontrollers, Digital Electronics

SKILLS

Fundamentals	Object Oriented Programming System (OOPS), Computer Networks, Real Time Operating Systems
Programming Skills	C++, Python, HTML, CSS, Javascript
Backend	Microsoft SQL Server
Tools and Frameworks	Tkinter GUI toolkit, Structured Query Language(SQL), Git

CERTIFICATIONS

- **Python Data Structures** (University of Michigan)
  Learned principles of data structures & how they are used. These skills equipped me to approach various data manipulation and algorithmic challenges confidently. View certificate.

- **Internet of Things & Embedded Systems** (University of California)
  Learned about the significance of IoT, explored IoT components and future trends, and understood design considerations, constraints for IoT devices, and networking components for IoT. View certificate.

ACHIEVEMENTS AND EXTRA-CURRICULAR ACTIVITIES

- **State Level Hackathon Finalist**: Qualified to the finals of State Level Hackathon organized by the Government of Gujarat

- **Student Startup and Innovation Policy**: Secured a grant from the Student Startup and Innovation Policy for rapid prototyping of Worker Environment and Surveillance System.

LANGUAGES KNOWN

- English
- Hindi
- Marathi
- Gujarati

HOBBIES

- Book reading
- PC Gaming