

Jyoti Kethvar

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SUMMARY

Enthusiastic about embedded systems with basic experience in microcontroller programming and circuit design. Skilled in C and Python, and familiar with Arduino and basic communication protocols like UART, SPI. Eager to learn and work on embedded systems projects. Looking for opportunities to grow in embedded development and firmware programming.

EXPERIENCE

Motivus Innovation Power Pvt. Ltd., Noida | R&D Engineer

January 2024 – Present

- **Battery Regenerator Machine:** Developing a system to regenerate lead-acid batteries using high-frequency pulses. Conduction hardware testing, quality assurance, calibration, and capacity increment. Managing product development, BOM, and production monitoring.
- **Battery Health Monitoring System (BHMS):** Hardware testing, repair, and calibration of BHMS and RTU systems for 2V and 12V battery banks.

PROJECTS

- **Smart Garbage Management App** | Oct 2022 – Apr 2023 | *Technologies: MIT App Inventor, IoT*
Developed an app for garbage management with scheduling, waste tracking, and complaint registration. Programmed Arduino to interface with sensors and actuators for automation.
- **Smart Bottle Packaging System** | Mar 2022 – Jul 2022 | *Technologies: C, SCADA*
Designed and implemented a liquid filling and packaging system using SCADA software.

SKILLS

- **Programming:** C, Python, HTML
- **Modules:** Arduino, PLC, Extreme Burner, AVR, ATMEML, IC
- **Tools:** PCB Design, MS Office, IoT, Cubloc Studio
- **Problem Solving:** Analytical thinking, creative troubleshooting
- **Hardware Skills:** SMD Soldering
- **Communication:** Technical writing, team collaboration

CERTIFICATION

- **IoT Technology** | CEPTA Infotech Pvt. Ltd.

EDUCATION

- **B.Tech - ECE** | Hi-Tech Institute of Engineering & Technology, AKTU | 2019 – 2023
- **Senior Secondary** | Tagore Shiksha Sadan Inter College, Hapur | **2018 – 2019**
- **Secondary** | Arya Kanya Pathshala Inter College, Hapur | 2016 - 2017