

ONKAR HOLE

Mechatronics Engineer

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OBJECTIVE

Proactive Mechatronics engineering graduate with hands-on experience in electronics, IoT system design, and industrial automation. Skilled at integrating hardware and software to build efficient, data-driven systems. Committed to applying technical expertise and analytical thinking to deliver impactful engineering solutions.

INTERSHIP

Innoway Technologies, Pune March 2025

Gain exposure to end-to-end System development, from hardware integration to IoT cloud communication.

Pinto Electronics, Pune Jul 2024

Streamlined assembly and troubleshooting processes for 250W amplifiers, reducing production time by 15%.

Sauryamandal Solar, Ratnagiri Apr 2023

Worked in electrical engineering, system design, and troubleshooting, providing valuable hands-on experience in EPC department and real-world application.

EDUCATION

Bachelor of Technology in Mechatronics Engineering Aug 2022 – Jul 2025

L.S.P. Government College of Engineering, Ratnagiri

CGPA: 7.3

Diploma in Electronics and Telecommunication Aug 2019 – Jul 2022

Government Polytechnic Awasari (Kh.), Pune

Aggregate: 83.00%

PROJECTS

IoT-based Earthing Health Monitoring System Nov 2024 – Jan 2025

Developed an IoT-based system for real-time earthing health monitoring using ESP32, LoRa, and Cloud platform (Blynk). Improved predictive maintenance accuracy by 25% and reduced downtime incidents.

IoT Based Cowshed Automation & Monitoring Jan 2024 – Feb 2024

Designed an IoT system for monitoring temperature and humidity, automating gates, and managing inventory with cloud visualization. Reduced manual labour by 20%.

Automated Hydroponic System Jan 2022 – Mar 2022

Programmed an automated system using Arduino Uno to optimize plant growth by integrating pH monitoring sensors, temperature control via fans, and automated watering cycles.

SKILLS

Technical Skills Circuit Design , Circuit Simulation, C, Python, PCB Design, Arduino, ESP32, ESP8266, STM& Raspberry Pi, Sensors&Actuators, BLE , LoRa , MQTT

Microsoft Office, EASY EDA, Arduino IDE, MATLAB, Blynk Cloud, Proteus, KiCAD, AutoCAD, LabVIEW,

Soft Skills :

Problem Solving, Teamwork, Leadership, Troubleshooting

CERTIFICATE

Mechatronics - NPTEL, Introduction to Industry 4.0 and IIoT - NPTEL Introduction to Smart Grid - NPTEL, Workshop on UAV - Skyninja Innovations, IoT Edge Computing and IoT Analytics - Springbo