

Yogesh Uttam Patil

8459350205

yogeshpatil01268@gmail.com

A/P Latavade, Tal. Hantakangale, Dist. Kolhapur – 416112
Branch-Electrical Engineering

Career Objective

Highly motivated engineering graduate with a strong academic record and hands-on experience in electronics, IoT-based systems, and renewable energy applications. Seeking an entry-level engineering position where I can apply my technical skills, analytical thinking, and problem-solving abilities to contribute to sustainable and innovative projects while continuously enhancing my professional growth.

Education

- Bachelor of Technology (B.Tech)** – Kolhapur Institute of Technology College of Engineering (Empowered Autonomous), Kolhapur **2021–2026**
CGPA: 6.5 (60%). Relevant coursework includes circuit analysis, control systems, electrical machines, and embedded systems.
- Higher Secondary Certificate (HSC)** – Vyankatrao junior college Ichalkaranji **2020–2021**
Scored 79.50% with strong foundation in Physics and Mathematics.
- Secondary School Certificate (SSC)** – Adarsh Gurukul Vidyalaya Peth-Vadgaon **2018–2019**
Achieved 73.20%, demonstrating consistent academic performance.

Technical and Software Skills

- MATLAB for numerical computation, simulation, and engineering analysis.
- Circuit design and analysis with strong understanding of electrical components.
- Arduino programming, sensors, and microcontroller-based systems.
- Basic knowledge of IoT architecture and real-time monitoring systems.
- Software tools: Microsoft Word, Microsoft PowerPoint, MATLAB, Sailab

Academic Projects

- Sun Solar Tracking System:** A Sun Solar Tracking System automatically moves a solar panel to follow the sun's position throughout the day. This ensures that the panel always faces the sun directly, increasing energy absorption compared to a fixed panel.
- Transformer Safety Device For Overload Condition:** This project is designed to protect an electrical transformer from damage caused by overload conditions. When the load current exceeds a safe limit, the safety device automatically detects the overload and disconnects the transformer from the power supply.
- Smart Parking System:** Designed a sensor-based smart parking solution to detect available parking slots and display real-time parking status. Reduced vehicle idle time, minimized congestion, and improved efficient parking space utilization.
- Hydrogen and Oxygen generation using Renewable Energy-Based Electrolysis (Mega Project):** This project demonstrates the production of hydrogen and oxygen gases by splitting water using electricity generated from renewable energy sources such as solar or wind power. It promotes clean and sustainable energy utilization.

Achievements and Certifications

- NPTEL Certification – Design And Simulation of Power Conversion Using Open Source Tools
- NPTEL Certification – Recent Advances in Transmission Insulators.

Personal Details

Languages Known: Marathi, Hindi, English.

Hobbies: Movie's, Travelling, Music, Sports, Adventure Activities.

Internship Certifications

Urjankur Shree Tatyasaheb Kore Warana Power Company Limited

Technical Certifications

Industrial Automation Training Course from DS Automation Kolhapur

1. Delta - Hardware: DVP-14SS2, SA2

Software: WPL Soft, ISP Soft

2. ALLEN BRADLEY-Hardware: MicroLogix- 1000, 1400

Software :RS Logix 500

- 3 . MITSUBISHI- Hardware: GOC-35, FX-3U, FX-5U

Software: Codesys V2.3, GX Works2, GX Works3

4. SIEMENS-Hardware: S7-300, 1200

Software: TIA Portal

HMI- 1 .Hardware: 107BV

Software: DOP SOFT

2.Hardware: GOC-35

Software: Codesys

VFD- Hardware: Delta VFD-ELW

SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA)