



CHETAN SANJAY KHOLE

B.E. - Instrumentation & Control Engineering

Ph: +91-8888465535

Email: chetankhole2004@gmail.com

Pune, Maharashtra, India - 411035

LinkedIn: <https://www.linkedin.com/in/chetan-sanjay-khole-607263187/>



BRIEF SUMMARY

I am an aspiring Instrumentation and Control Engineer with a foundation in industrial automation, IoT, and embedded systems. My expertise includes PLC programming, PCB design, and UAV circuit integration, making me well-suited for roles in automation, robotics, and smart systems development. As an Electronics Team Member at Drone Dynamics Hub and Documentation Team Lead at NSS, I have honed my technical and leadership skills. I aim to contribute to cutting-edge innovations while continuously growing in a dynamic organization that values problem-solving and creativity.

KEY EXPERTISE

PLC Programming PCB Design KiCad Arduino, ESP8266 Industrial Automation MATLAB UAV Circuit Design
PCB Soldering MS Office

EDUCATION

D.Y. Patil College of Engineering, Akurdi 2022 - 2026

B.E. - Instrumentation & Control Engineering | CGPA: 7.32 / 10

Junior Science College, Akola 2022

12th | MSBSHSE | Percentage: 76.50 / 100

ST. JOSEPH'S ENGLISH HIGH SCHOOL, Buldana 2020

10th | CBSE | Percentage: 70 / 100

INTERNSHIPS

Karthikesh Robotics Private Limited 06 Jan, 2025 - 06 Mar, 2025

PCB Designer Intern

Key Skills: KiCAD PCB Design Tinkercad PCB

Opportunity to enhance my skills in PCB design, circuit optimization, and innovative layout techniques. It was an incredible learning experience that helped me tackle design challenges and develop strong problem-solving and analytical skills.

Eduskill AICTE | Core Engineering 20 Oct, 2024 - 20 Dec, 2024

Industrial Automation Virtual Internship

Key Skills: PLC Automation

This virtual internship provided learning in industrial automation, enhancing technical skills in automation technologies.

PROJECTS

PLC-Based Traffic Management System

Mentor: Ms. Vinita Yerande | **Team Size:** 4

Key Skills: Group Work

Developed and programmed a hardware system to simulate traffic lights.

Home Automation System

Mentor: Dr Yogesh Patil | **Team Size:** 4

Key Skills: Automation IOT Arduino

Designed and implemented a system for controlling appliances efficient using IoT technology.

Avishkar Intelligent Mass Measurement Systems

Mentor: Mr Vipin Vibhute | **Team Size:** 3

Key Skills: Sensors Hardware

The Intelligent Mass Measurement System is a portable, battery powered device using an LVDT sensor for accurate weight measurement of grocery items like sugar and grains. Designed for ease of use, portability, and cost-effectiveness, it features a sliding

container mechanism, microcontroller integration, and a digital display. The project qualified at the Avishkar College Level and was presented at the Zonal Level, with results pending.

Smart Vehicle Accident Detection & Alert System

Mentor: Mr Nitin Mane | Team Size: 3

Key Skills: ESP8266 API

This project uses ESP8266, MPU6050 (Accelerometer), and Twilio API to detect vehicle accidents and send SMS & call alerts to emergency contacts. Future upgrades may include GPS-based geo-fencing, AI-powered accident prediction, and real-time location tracking.

ACHIEVEMENTS

- Avishkar 2024 College Level (Winner) & Zonal Level (Participation)

ASSESSMENTS / CERTIFICATIONS

PLC & HMI in Industrial Automation

Key Skills: PLC Programming HMI Development Industrial Automation Instrumentation and Control

Certified for volunteering in a one-week short-term training program on PLC & HMI in Industrial Automation, organized by the Department of Instrumentation and Control Engineering

Virtual Instrumentation – LabVIEW

Key Skills: LabVIEW Programming Virtual Instrumentation

Certified for participating in a one-week short-term training program on Virtual Instrumentation using LabVIEW, organized by the Department of Instrumentation and Control Engineering in collaboration with Kimaya Automation.

Avishkar 2024 College Level (Winner) & Zonal Level (Participation)

Key Skills: Research Presentation Project Development Innovation

Winner of the College Level Avishkar 2024 Project Competition at D.Y. Patil College of Engineering, Akurdi and participated in the Zonal Level Research Competition (Avishkar 2024) under the E&T category at Dr. D.Y. Patil Arts, Commerce & Science College, Akurdi, Pune.

Certificate of Appreciation - NSS

Key Skills: Teamwork Leadership Documentation Event Coordination Social Awareness

A proud NSS Volunteer. Recognized for outstanding contribution as NSS Documentation Lead and Treasurer, also attended two 7-day Winter Special Camps.

POSITIONS OF RESPONSIBILITY

Electronics Team Member | UAV Research & Development

Contributing to UAV circuit design, sensor integration, and troubleshooting as part of the Drone Dynamics Hub at DYPCOE. Engaged in research and development to enhance drone performance and reliability.

National Service Scheme (NSS) Volunteer

Managed and organized documentation, reports, and records for NSS events and initiatives as Lead. Oversaw treasury responsibilities, ensuring smooth communication, transparency, and resource accessibility to support community service programs.

SEMINARS / TRAININGS / WORKSHOPS

Diploma in Industrial Automation (ongoing) Institute Name: Just Engineering 10 Jan, 2025 - 10 Jul, 2025

Key Skills: PLC Programming SCADA HMI ALLEN BRDLEY Siemens Ladder Logic

A Training Course in which we are learning PLC Automation of various industry manufacturers and their HMI SCADA with various Inputs and outputs with hands-on experience in PLC programming.

Virtual Instrumentation – LabVIEW 04 Oct, 2024 - 08 Oct, 2024

Institute Name: D.Y. Patil College of Engineering, Akurdi, Pune

Key Skills: Virtual Instrumentation LabVIEW Programming Signal Processing

Participated in a one-week short-term training program on Virtual Instrumentation using LabVIEW, organized by the Department of Instrumentation and Control Engineering in collaboration with Kimaya Automation.

PLC & HMI in Industrial Automation 23 Sep, 2024 - 27 Sep, 2024

Institute Name: D.Y. Patil College of Engineering, Akurdi, Pune

Key Skills: PLC Programming HMI Development Industrial Automation Instrumentation and Control

Participated as a volunteer in a one-week short-term training program on PLC & HMI in Industrial Automation, organized by the Department of Instrumentation and Control Engineering.

EXTRA CURRICULAR ACTIVITIES

- Volunteer in Techfest
- Volunteer in Discipline Team
- Organized college level programs.

PERSONAL INTERESTS / HOBBIES

- Technology Blogging
- Stock Market Investing
- Community Service
- Electronics

WEB LINKS / IMs

- WhatsApp - <https://wa.me/qr/T6WB34CDEMUUA1>
- Twitter - <https://x.com/microchetan>
- Personal - <https://chetankhole.vercel.app/>

PERSONAL DETAILS

Gender: Male

Marital Status: Single

Current Address: Gurudwara Chouk ,Near Akurdi Railway Station, Pune, Pune, Maharashtra, India - 411035

Emails: chetankhole2004@gmail.com , csk20042004@gmail.com

Date of Birth: 20 Apr, 2004

Known Languages: Marathi English Hindi

Permanent Address: Chandak Layout Balaji Nagar Chikhli Road Buldhana, Buldhana, Maharashtra, India - 443001

Phone Numbers: +91-8888465535, +91-9823662905