Tushar Chaudhari

📍 Maharashtra   📞 +91-7821848265   ✉ tusharchaudhari1809@gmail.com   🔗 portfolio   in itusharchaudhari   ⚲ iTushar09

Professional Summary

Aspiring Electronics and Telecommunication Engineer with strong foundations in electronic circuit design, PCB layout, and microcontroller programming. Proficient in C, C++, Python, and embedded systems development, with hands-on experience using tools like KiCad, MATLAB, Keil uVision, Proteus, oscilloscopes, and digital multimeters (DMM). Passionate about technology and innovation, I thrive on solving practical engineering problems and am eager to contribute to R&D projects that bridge hardware and software to create impactful solutions.

Education

B.Tech in Electronics and Telecommunication Engineering
Shri Guru Gobind Singhji Institute of Engineering and Technology (SGGSIET), Nanded   *Nov 2022 – May 2026*

HSC (Higher Secondary Certificate)
Shri Shivaji Junior Science College, Darwha, Dist. Yavatmal   *Feb 2021 – Mar 2022*

SSC (Secondary School Certificate)
Shri Shivaji High School, Darwha, Dist. Yavatmal   *Feb 2019 – Mar 2020*

Internships

Digital Electronics & VLSI Intern, Codec Technologies Pvt. Ltd. 🔗 Certificate   *May 2025 – Jun 2025*
Applied VLSI principles and digital logic design techniques to simulate and optimize circuit modules. Used simulation tools to verify design functionality.

Artificial Intelligence Intern, Codec Technologies Pvt. Ltd. 🔗 Certificate   *May 2025 – Jun 2025*
Implemented ML workflows on telecom datasets using Python. Focused on supervised learning, preprocessing, and evaluation. Developed predictive models with improved accuracy.

Skills

- **Languages:** C, C++, Python, Assembly   **Web:** HTML, CSS, JavaScript, Bootstrap
- **Embedded Systems:** LPC2148 (ARM7), Arduino (AVR)
- **Core Skills:** Algorithm Development, Debugging, Problem Solving
- **Soft Skills:** Time Management, Teamwork, Continuous Learning
- **Tools:** MATLAB, Keil uVision5, LTspice, KiCad, Oscilloscope, Function Generator, Git, VS Code, Proteus

Projects

- **Customer Churn Prediction Using Machine Learning**
  Developed and deployed a telecom customer churn prediction model using Python and XGBoost, achieving 96%+ accuracy through feature engineering and hyperparameter tuning with SMOTE.
- **Arduino-Based Digital Ohmmeter**
  Designed an Arduino ohmmeter featuring LCD display and potentiometer calibration to achieve accurate resistance measurements.
- **Even Number Display on 7-Segment Display Using LPC2148**
  Programmed GPIO pins in Embedded C to display even numbers on a 7-segment display; verified correctness via Proteus simulation.

Certifications & Workshops

- **Hands-On Python Machine Learning with Real-World Projects** 🔗 Certificate   *May 31, 2025*
  Completed practical projects covering supervised and unsupervised learning techniques using Python.
- **Supervised Machine Learning: Regression and Classification** 🔗 Certificate   *Apr 6, 2025*
  Learned basic regression and classification techniques.
- **Embedded for Beginners** 🔗 Certificate   *Jan 28, 2025*
  Gained basic skills in embedded programming and hardware.
- **Silicon Symphony VLSI Masterclass** 🔗 Certificate   *Dec 29, 2024*
  Completed an intensive five-day masterclass in VLSI concepts.

Leadership & Activities

- Coordinator, FSDC (Dance Club)
- Decoration Lead: Zenith (Sports), UTSAV (Cultural Fest)

Hobbies & Interests

- Coding, software development, and reading technical/non-technical books
- Dance choreography, listening to music, and watching movies