

# TUSHAR CHAUDHARI

## Aspiring Electronics and Telecommunication Engineer

☎ +91-7821848265

📁 [Portfolio](#)

📍 Maharashtra

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🔗 [LinkedIn](#)



## SUMMARY

I am an aspiring Electronics and Telecommunication Engineer equipped with skills in circuit design, PCB layout, and microcontroller programming. My proficiency in languages such as C, C++, and Python complements my hands-on experience with integrated tools. I have a passion for tackling real-world challenges through innovative hardware-software solutions

## EXPERIENCE

### Digital Electronics & VLSI Intern

#### Codec Technologies Pvt. Ltd

📅 05/2025 - 06/2025

Internship role focused on digital electronics and VLSI

- Simulated and optimized digital circuit modules using VLSI principles and EDA tools
- Focused on design functionality and performance verification

### Artificial Intelligence Intern

#### Codec Technologies Pvt. Ltd

📅 05/2025 - 06/2025

Internship role focused on artificial intelligence and machine learning

- Developed ML models for telecom datasets using Python
- Emphasized data preprocessing, supervised learning, and hyperparameter tuning to boost model accuracy

## EDUCATION

### B.Tech in Electronics and Telecommunication Engineering

#### S.G.G.S Institute of Engineering and Technology

📅 11/2022 - 06/2026 📍 Nanded

### HSC (Higher Secondary Certificate)

#### Shri Shivaji Junior Science College

📅 02/2021 - 03/2022 📍 Darwha

### SSC (Secondary School Certificate)

#### Shri Shivaji Higher Secondary School

📅 02/2019 - 03/2020 📍 Darwha

## CERTIFICATION

### Hands-On Python Machine Learning with Real-World Projects

Certificate for completing a hands-on course in Python Machine Learning with real-world projects

### Supervised Machine Learning: Regression and Classification

Certificate awarded for expertise in supervised machine learning techniques focused on regression and classification

### Python Complete Course for Beginners

Certificate obtained upon completing a comprehensive course for beginner-level Python understanding

### Embedded for Beginners

Certificate received for introductory skills in embedded systems

## VOLUNTEERING

### Coordinator, Official Dance Club

#### Shri Guru Gobind Singhji Institute of Engineering and Technology, Nanded

📅 2024 - 2025

Led a team of dancers to plan and execute events, including performances and workshops

## SKILLS

Arduino

Bootstrap

C/C++

CSS

EDA

Embedded C

Encryption

Git

HTML

IoT

JavaScript

Keil

GitHub

Keil Uvision

KiCad

LT Spice

MATLAB

Oscilloscope

PCB

Proteus

Python

VS Code

VLSI

Function Generator

DMM

## PROJECTS

### IoT-based Bidirectional Visitor Counter

[GitHub](#)

- Designed and implemented a DIY solution for detecting bidirectional human movement
- Utilized Arduino and IR sensors for effective detection

### Easy-to-Use PDF Handling Tools

[GitHub](#)

[Live Demo](#)

- Created a Python application to automate various PDF tasks
- Implemented features for merging, splitting, encryption, text/image extraction, and metadata editing

### Telecom Customer Churn Prediction Model

[GitHub](#)

[Live Demo](#)

- Built a model developed to predict customer churn in telecom using machine learning
- Applied SMOTE for data balancing and performed rigorous feature engineering

### Up/Down Counter using LPC2148

[GitHub](#)

- This project demonstrates an Up/Down counter using the LPC2148 ARM7 microcontroller and 8 LEDs.
- The counter value is visually represented in binary form via the LEDs, allowing real-time observation of the counting process.

### Arduino-Based Digital Ohmmeter

[GitHub](#)

- Designed and calibrated a resistance measurement system
- Utilized Arduino for precise measurements and LCD for display

## INTERESTS



### Technical Enthusiasm

Coding, embedded systems, and reading both technical and non-technical books



### Creative Arts

Dance choreography, music, and movies