

TUSHAR CHAUDHARI

Electronics and Telecommunication Engineer

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🌐 [Portfolio](#)



SUMMARY

Electronics and Telecommunication Engineering student with hands-on internship experience in embedded systems and artificial intelligence. Proficient in C, C++, and Python, with a solid foundation in circuit design, microcontroller programming, and machine learning model development. Passionate about creating innovative hardware-software solutions and eager to contribute to impactful, real-world projects.

EXPERIENCE

Embedded system intern

Acmegrade Pvt Ltd

📅 05/2025 - 07/2025 📍 Bengaluru

Company focused on embedded systems and technology solutions

- Engineered and developed embedded system prototypes using C, C++ and RTOS concepts for real-time industrial applications.
- Collaborated on integrating software and hardware modules to build reliable, scalable solutions.
- Prepared technical documentation outlining system architecture, integration logic, and performance outcomes.

Artificial Intelligence Intern

Codec Technologies Pvt. Ltd

📅 05/2025 - 06/2025 📍 Mumbai

Company specializing in telecom data analytics and solutions

- Designed and implemented predictive machine learning models using Python to analyze telecom user behavior.
- Enhanced model reliability by performing feature selection, normalization, and dataset balancing techniques.
- Applied supervised learning algorithms, including logistic regression, to classify and forecast customer churn.

EDUCATION

B.Tech in Electronics and Telecommunication Engineering

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

📅 08/2022 - 06/2026 📍 Nanded

HSC (Higher Secondary Certificate)

Shri Shivaji Junior Science College

📅 06/2020 - 05/2022 📍 Darwha

SSC (Secondary School Certificate)

Shri Shivaji Higher Secondary School

📅 06/2018 - 05/2020 📍 Darwha

CERTIFICATION

Hands-On Python Machine Learning with Real-World Projects

[Certificate](#)

Supervised Machine Learning: Regression and Classification

[Certificate](#)

Python Complete Course for Beginners

[Certificate](#)

Real time operating systems for beginners

[Certificate](#)

Embedded Systems

[Certificate](#)

LANGUAGES

🌐 English, Marathi, Hindi

Intermediate

SKILLS

Languages:

C, C++, Python, HTML, CSS

Soft Skills:

Time Management, Teamwork, Continuous Learning, Adaptability, Creativity

Core Skills:

Operating system, Algorithm Development, Debugging, Problem Solving

Software:

MATLAB, Keil UVision5, LTspice, KiCad, Git, VS Code, Proteus

PROJECTS

Easy-to-Use PDF Handling Tools

🔗 <https://github.com/iTushar09/Easy-PDF-Handling-Tools.git>

An application for handling PDF files with various functionalities

- Created a Python application that reduced manual PDF processing time by 70%, enabling batch operations like merging, encryption, and text/image extraction.

IoT-based Bidirectional Visitor Counter

📍 Acmegrade Pvt Ltd

🔗 <https://github.com/iTushar09/IoT-based-Bidirectional-Visitor-Counter>

A project aimed to monitor human movement and foot traffic using IoT technologies

- Designed and implemented a DIY solution for detecting bidirectional human movement
- Utilized Arduino and IR sensors for effective detection
- Engineered an IoT-based bidirectional visitor counter for real-time foot traffic monitoring

Telecom Customer Churn Prediction Model

📍 Codec Technologies Pvt. Ltd

🔗 <https://github.com/iTushar09/Customer-Churn-Prediction-App.git>

A model designed to predict and analyze customer churn in the telecom industry

- Built and trained a machine learning model to predict customer churn, applying SMOTE for data balancing and conducting rigorous feature engineering to improve predictive accuracy

INVOLVEMENT



Coordinator at FSDC Official Dance Club

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

INTERESTS



Technical Enthusiasm

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



Creativity

Dance, Choreography, Song and Video Editing