



# Sufyan Mushtaque

## Surve

Electronics &  
Telecommunication Engineer

### Personal Details

#### Date of Birth

15th March 2005

#### Place of Birth

Khed

#### Blood Group

B+ve

#### Nationality

Indian

#### Languages

English, Hindi, Marathi

### Contact

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### Technical Skills

C/C++ 90%

Python 85%

JavaScript/Node.js 80%

IoT/Embedded Systems 85%

## Career Objective

A dedicated and proactive individual with strong organizational, analytical, and communication skills. Passionate about leveraging technology and leadership to create meaningful, impactful projects. Seeking opportunities to contribute effectively in dynamic environments while continuously learning and growing.

## Education

2023

### B.Tech in Electronics and Telecommunication

Vishwakarma Institute of Technology, Pune |  
8.6 CGPA

2019

### HSC (Class XII)

Modern College, Pune | 78%

2017

### SSC (Class X)

Crescent High School, Pune | 89%

## Key Projects

### ResQ Helmet (IoT Safety Device)

A smart helmet system designed for workers in hazardous environments with real-time data monitoring, emergency alert system, and GPS-based tracking.

ESP32

Node-RED

Express.js

Sensors

### 2-Link Planar Robotic Arm - Inverse Kinematics Solver

Mathematical modeling and Gauss-Jordan method for inverse kinematics in robotics with Python-based solution and visualization.

Python

Robotics

Algorithms



# SWOT Analysis

## ✔ Strengths

- Strong foundation in embedded systems and IoT
- Excellent problem-solving abilities
- Effective communicator and team leader
- Quick learner with hands-on project experience

## ! Weaknesses

- Limited corporate/industrial experience
- Building expertise in advanced AI/ML
- Improving time management

## 🎯 Opportunities

- High demand for IoT developers
- Impactful projects in safety/automation
- Entrepreneurship in public safety tech

## 🛡 Threats

- Rapidly evolving technology landscape
- Competitive job market
- Hardware availability for prototyping

## Certifications



## Hobbies

- Exploring new technologies
- Playing sports
- Designing infographics
- Public speaking
- Watching TED Talks

## Career Goals

### Short-Term Goals

- Gain practical experience in IoT and system integration
- Work on real-world projects involving Express.js, Node-RED, and embedded systems
- Build a strong professional network and portfolio
- Complete advanced certifications in AIoT and robotics

### Long-Term Goals

- Become a system architect in smart safety or automation domains
- Lead technology development for public-oriented innovations
- Publish or present research in IoT or robotics
- Launch a startup focused on intelligent safety devices
- Pursue higher education in AIoT or autonomous systems

## Additional Projects

### DIKSHA Platform Presentation

Created a detailed PowerPoint presentation on the Indian Government's digital learning platform focusing on platform structure, scalability, and education outreach.

### TEDxVITPune 2025 (Organizer Role)

Contributed to planning and organization of TEDx event themed on innovation, energy, and love, working on technical coordination and communication.