

# Tanish

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Third Year,  
B.Tech., Mechanical Engineering  
Punjab Engineering College,  
Chandigarh

Quick learner, team player, dependable problem solver. Seeking opportunities to excel my skills.

## Skills

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### OS

Windows, Mac

### LANGUAGES

Python, HTML, CSS, JavaScript,  
C++

### OTHERS

Excel, SQL, PowerBI, AutoCAD,  
Git, Adobe Photoshop, Figma

## Key Courses

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Frontend Development  
AI and ML for Engineers

## Education

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2022-2026

B. TECH, MECHANICAL  
PEC Chandigarh  
**CGPA: 7.35/10**

2020-2021

Secondary School  
(Class – 12<sup>th</sup>)  
Springfields Public School  
**Percentage: 91.5%**

2018-2019

High School  
(Class – 10<sup>th</sup>)  
Springfields Public School  
**Percentage: 94.6%**

## Awards

BITS APOGEE-2024

BITS Pilani

**Micromouse Event:**

(Secured 2nd position)

**Hover-a-boat Event:**

(Secured 3rd position)

## Relevant Projects

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### MICROMOUSE

- Developed algorithms for maze-solving, including **flood-fill** and **wall-following** techniques.
- Programmed the robot using **C++** and **Python** for efficient pathfinding and **obstacle detection**.
- Assembled hardware components, including sensors, motors, and microcontrollers.

### SENTIMENT ANALYSIS

- Conducted sentiment analysis on **25,000 movie reviews** from Stanford AI using Python in **Jupyter Notebook**.
- Utilized Python libraries (**NumPy, Pandas, Scikit-learn, NLTK, Seaborn**) for data preprocessing, text cleaning, and implementing machine learning models.
- Developed and optimized a **Support Vector Classifier (SVC)** to achieve high accuracy and F1 score.
- Visualized evaluation metrics using a **confusion matrix** for comprehensive performance analysis.

## Extra-Curricular Activities

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- Assisted Marketing Subheads during EIC Summit 2022, contributing to strategic event marketing.
- Managed hospitality operations as Subhead for ORIENTATION 2023, ensuring seamless event coordination.
- Led promotional campaigns as Subhead of Marketing and Publicity for PECFEST 2023, boosting participation by 30%.
- Directed marketing for PECFEST 2023, achieving a significant increase in event participation.
- Enhanced event branding as a member of the PECFEST Publicity Committee.
- Engaged in sales, marketing, and graphic design initiatives as an active EIC Club member.