



# Vedant Ghumade

Bachelor of Technology (B.Tech)  
in Computer Engineering

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GitHub Profile

LinkedIn Profile

Portfolio Website

## EDUCATION DETAILS

- Pimpri Chinchwad College of Engineering (PCCOE), Nigdi, Pune** 2021-2025  
*Bachelor of Technology (B.Tech) in Computer Engineering (university - SPPU)* **CGPA: 8.34**
- Adarsh Sanskar Vidyalaya and Jr. College, Nagpur** 2019-2021  
*12<sup>th</sup> from Maharashtra State Board of Secondary and Higher Secondary Education (MSBSHSE)* **Percentage: 97.5**
- St. John's High School, Hinganghat, Dist - Wardha** 2009-2019  
*10<sup>th</sup> from Central Board of Secondary Education (CBSE)* **Percentage: 91.4**

## PROJECTS

- Vehicle Detection and Traffic Assessment using Deep Learning Techniques** Jul 2024 - May 2025  
*Developed an advanced deep learning-based system for real-time vehicle detection and traffic assessment using YOLO11.*
  - Designed a pipeline for real-time traffic monitoring using live video feeds.
  - Trained the model on an Indian vehicle dataset to enhance detection accuracy for regional traffic conditions.
  - Technology Used: YOLO11, OpenCV, PyTorch, Python, Flask, Google Sheets
- ChatBlaze - Realtime Chat App** Jan - Feb 2024  
*A React-based web application that allows users to chat in real time.*
  - Used Firebase Authentication to facilitate authentication & Real-time messaging with Firestore Database.
  - Technology Used: React, Vite, Firebase Authentication, Firestore Database, Firebase Storage, Firebase Hosting
- Fashion Recommender System** Aug - Sep 2023  
*A fashion recommendation system that uses image feature extraction and machine learning for personalized suggestions.*
  - Leveraged Python and TensorFlow with ResNet50 for image feature extraction and Nearest Neighbors for recommendations.
  - Technology Used : Python, TensorFlow, Streamlit

## CERTIFICATIONS

- AWS Cloud Practitioner Essentials** by AWS Training and Certifications
- Postman API Fundamentals Student Expert Certification** by Postman

## TECHNICAL SKILLS

- Programming Languages:** Java, Python, SQL
- Web Technologies:** HTML, CSS, Tailwind CSS, React JS, Python-Flask
- Libraries and Frameworks:** Node JS, Express JS, Mongoose, Spring Boot, RESTAPI
- Databases:** MongoDB, MySQL, PostgreSQL
- Version Control:** Git, GitHub
- Operating Systems and Commands:** Windows, Linux Commands
- DevOps tools:** Docker

## TECHNICAL ACHIEVEMENTS

- Second Runner up in Innovate360 Hackathon
- Contributed to a local open-source project by developing the front-end of a website for a small business