

# Yash Desai

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## EDUCATION

**Pimpri Chinchwad Education Trust (PCET)'s Nutan College of Engineering and Research**  
B. Tech in Computer Science and Engineering (Artificial Intelligence) | **CGPA: 7.42**  
**Janta Vidyalaya & Jr. College**  
HSC (Science) | Percentage: 93.67

Talegaon, Pune  
**July 2021 - July 2025**  
Malegaon  
**June 2020 - May 2021**

## SKILLS SUMMARY

- **Programming Languages:** Python, JAVA, SQL.
- **Tools & Technologies:** Git, GitHub, Postman, MySQL, Excel, PowerPoint, Jenkins, Pandas.
- **Platforms & IDEs:** Windows, IntelliJ IDEA, Visual Studio Code, PyCharm, Jupiter Notebook.
- **Core Competencies:** Object-Oriented Programming, Software Testing, Basic Database Management.
- **Soft Skills:** Leadership, Analytical Thinking, Effective Communication, Team Collaboration, Problem Solving.

## EXPERIENCE

- Machine Learning Project Intern | Edu-Versity** **Oct 24 - Dec 2024**
- Developed machine learning models for early breast cancer detection and fake news classification, utilizing algorithms like KNN, Decision Trees, and SVM.
  - Created a CNN-based system for COVID-19 diagnosis using medical images, enhancing diagnostic accuracy, and improving healthcare workflows.
  - Conducted data analysis and preprocessing to ensure model reliability and effectiveness in real-world applications.

## PROJECTS

- COVID-19 Detection Using Convolutional Neural Networks (CNN)** **Nov 24- Dec 2024**
- Built a deep learning model using CNN to detect COVID-19 from chest X-ray images with TensorFlow in Python.
  - Preprocessed image datasets, trained the model, and evaluated accuracy to support early diagnosis efforts.
  - Demonstrated skills in deep learning, medical image analysis, and neural network implementation using Jupyter Notebooks.
- Ticket Booking System | Java, Maven, GitHub, OOP** **Mar 24 - Mar 2024**
- Developed a modular Java-based Ticket Booking System with features like event browsing, filtering, seat booking, and booking history using OOP principles.
  - Implemented layered architecture with service, entity, and utility classes; used Maven for build automation and GitHub for version control.
  - Simulated data persistence with local storage, showcasing skills in Java programming, software design.
- DrishyaScan – Web Accessibility Scanner | Spring Boot, Maven, MySQL, Jenkins, GitHub** **Apr 25 – May 2025**
- Designed and developed a full-stack web application for automated **WCAG 2.1** accessibility scanning using Spring Boot (Java 21) and react following industry best practices.
  - Implemented secure role-based user management, RESTful APIs, and real-time monitoring using MySQL, **JWT authentication**.
  - Integrated CI/CD pipeline using **Jenkins** and ensured code quality with a modular backend architecture and JUnit-based testing.
- CCTV Analytics and Smart Human Activity Detection using YOLO** **Feb 24 - May 2024**
- Developed a smart CCTV analytics system using the **YOLO** algorithm to detect human activities like falls, vehicle crashes, and social distancing violations in real-times
  - Automated surveillance tasks by integrating YOLO-based object detection with existing CCTV infrastructure, enhancing security and event response efficiency.
  - Designed an alert system to send **SMS notifications** and initiate **emergency calls** for detected incidents, providing timely support in critical situations.

## CERTIFICATES

Certificate of Industrial Training completion | Edu-Versity  
Alpha Java Course | Apna College  
OpenCV Bootcamp | OpenCV University  
Natural Language Processing | Infosys Springboard  
Git & GitHub Bootcamp | LetsUpgrade