# Yash Desai

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**Pune**
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## EDUCATION

**Pimpri Chinchwad Education Trust (PCET)'s Nutan College of Engineering and Research**  Talegaon, Pune
B. Tech in Computer Science and Engineering (Artificial Intelligence) | **CGPA: 7.42**  **July 2021 - July 2025**
**Janta Vidyalaya & Jr. College**  Malegaon
HSC (Science) | Percentage: **93.67%**  **June 2020 - May 2021**

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## PROFESSIONAL SUMMARY

Aspiring **Java + DevOps Engineer** with hands-on experience in **Java development**, **Spring Boot**, **CI/CD pipelines**, and **automation testing**. Skilled in building scalable applications, implementing microservices, and integrating **DevOps practices** such as **Jenkins**, **Git**, and **Docker**. Strong **problem-solving mindset** with practical exposure to **machine learning** and **computer vision projects**, combining development and deployment expertise to deliver production-ready solutions.

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## SKILLS SUMMARY

- **Programming:** Java, Python, SQL
- **Frameworks & Tools:** Spring Boot, Maven, JUnit, Jenkins, Docker, Git, GitHub, Postman
- **Databases:** MySQL
- **Concepts:** Microservices, REST APIs, CI/CD, Test Automation, OOP, Cloud Basics (AWS/GCP), Monitoring
- **Soft Skills:** Problem Solving, Collaboration, Leadership, Analytical Thinking

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## EXPERIENCE

**Machine Learning Project Intern | Edu-Versity**  **Jun 2024 - Oct 2024**
- **Developed ML models (KNN, SVM, Decision Trees)** for breast cancer detection and fake news classification.
- Performed **data preprocessing**, **model validation**, and **performance optimization**.
- Strengthened understanding of **Python-based ML pipelines** and real-world deployment challenges.

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## PROJECTS

**DrishyaScan – Web Accessibility Scanner (Spring Boot, MySQL, Jenkins, GitHub, React)**  **Apr 2025 – May 2025**
- Built a **full-stack accessibility scanner using Spring Boot (Java 21)** and **React for WCAG 2.1** compliance.
- Implemented **role-based authentication (JWT)**, **REST APIs**, and modular backend with **MySQL** persistence.
- Set up **CI/CD** pipeline with **Jenkins**, automated builds **via Maven**, and wrote **JUnit test cases** for backend services.
- Showcased expertise in **Java**, **DevOps**, and **secure application development.**

**Ticket Booking System (Java, Maven, GitHub, OOP)**  **Mar 2025**
- Developed a Java-based modular ticket booking system with event **browsing, filtering, and booking history.**
- Applied **OOP principles**, **layered architecture**, and **Maven build automation.**
- Used **GitHub for version control**, **simulating enterprise-level SDLC practices**.

**CCTV Analytics & Smart Human Activity Detection (YOLO, Python, Computer Vision)**  **Feb 2024 – May 2024**
- Built **real-time CCTV analytics** to detect **falls**, **crashes**, and **social distancing violations** using **YOLO**.
- Designed an **alert system** to send **SMS/emergency calls** for detected incidents.
- Enhanced automation in **surveillance systems**, **demonstrating AI + system integration.**

**COVID-19 Detection using CNN (Python, TensorFlow)**  **Jan 2023 – Mar 2023**
- Trained a CNN model on **X-ray datasets** for early **COVID-19 detection.**
- Applied **deep learning**, image preprocessing, and **model evaluation techniques**.

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## CERTIFICATION

- **Alpha Java Course** – Apna College
- **OpenCV Bootcamp** – OpenCV University
- **Natural Language Processing** – Infosys Springboard
- **Git & GitHub Bootcamp** – LetsUpgrade
- **Industrial Training Certification** – Edu-Versity