

# Kushagra Prajapat

+91 62678 00192 | [kushagraprajapat9399@gmail.com](mailto:kushagraprajapat9399@gmail.com) | Pune, Maharashtra |  
[Portfolio](#) | [LinkedIn](#) | [Github](#) | [LeetCode](#) |

## PROFESSIONAL SUMMARY

Enthusiastic 3rd-year B.E. Information Technology student with strong expertise in AI, Machine Learning, Computer Vision, and Full-Stack Development. Experienced in building scalable solutions using Python, FastAPI, Django, and cloud tools, with a strong record of hackathon participation and open-source contribution.

## EDUCATION

2023-2027	B.E. in Information Technology - Savitribai Phule Pune University.	8.9 CGPA
2022-2023	XII (HSC) from Jawahar Navodaya Vidyalaya, Ujjain.	89.6%
2020-2021	X (SSC) from Jawahar Navodaya Vidyalaya, Ujjain.	90.6%

## SKILLS

Programming Languages	Python, Java, C++
Machine Learning and Deep Learning Libraries	Scikit-learn, Linear Regression, Logistic Regression, Decision Tree, Random Forest, LSTM, LightGBM, GRU
Web and Frameworks	FastAPI, Django, React, HTML, CSS, Javascript
Database	MySQL Server 2008, MongoDB, SQLite
Tools and IDEs	GIT, VS Code, Docker, Tableau, Make.com

## PROJECT DETAILS

### 1. AI based Traffic-Light Management System (Computer Vision + IoT) [GitHub](#)

**Technologies** Python, Raspberry Pi, OpenCV, YOLO, Ultralytics

- Implemented **YOLOv5** + **OpenCV** to detect real-time traffic congestion and dynamically control traffic lights.
- Designed and implemented logic to analyse traffic flow via OpenCV and YOLO with 80% accuracy achieved in detection.
- Handled Raspberry Pi integration and camera modules to minimize latency by 40%.

### 2. AutoML Interactive Platform (FastAPI + ML) [GitHub](#)

**Technologies** FastAPI, scikit-learn, Pandas, NumPy, Linear Regression, Logistic Regression, Decision Tree, Random Forest, HTML, CSS, JavaScript

- Built a platform that **automatically trains ML models** from uploaded CSV files and allows .pkl model downloads.
- Streamlined ML workflow for non-technical users, reducing manual effort by **70%**.
- User can also test their models on the platform.

### 3. Blockchain for Ayurvedic Herbs (Hyperledger Fabric) [YouTube](#)

**Technologies** Hyperledger Fabric, Node.js, JavaScript, Linux, Docker

- Developed a **secure supply chain blockchain** to ensure authenticity and traceability of herbal products.
- Enabled immutable ledger tracking for raw materials and finished products.
- Implemented **smart contracts** and QR codes for customers to verify product details, improving transparency.

## INTERNSHIP EXPERIENCE

- Automation Intern - AutomateAce** *Sept. 2025 – Present*
  - Designed and implemented automated workflows using **Make.com** and python to streamline business processes and eliminate manual effort.
  - Built intelligent email automation workflows, improving communication efficiency by 60%.

- **Python Developer Intern - Aroma Brand Solutions**

*Dec. 2024 – Jan. 25*

1. Developed application-based GUI, incorporating Tkinter for front-end design with reducing error by 30%.
2. Enhanced app usability and reduced load time by 40% through code optimization.

#### **ACHIEVEMENTS AND CONTRIBUTIONS**

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1. Kaggle Competition (<1000 rank) [Predicting Road Accident Risk](#)
2. Competitive Coding: 350+ LeetCode (max@ 1554), Unstop Weekly Contest Winner
3. Hackathons: SIH, PICT Impetus, PCCOE Indradhanu
4. Competition: TCS CodeVita, Tata Imagination Challenge, Tata Crucible, Flipkart Grid 7.0
5. Open-source contribution to PyDataStructs (Python), implementing the [Radix Sort](#) algorithm and updating [CI workflows](#).
6. Reliance Foundation Scholar (2023) and ResoStep (2019) (AIR 24<sup>th</sup> rank)

#### **CERTIFICATION**

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1. Oracle Cloud Infrastructure 2025 Generative AI Professional
2. Oracle Cloud Infrastructure 2025 Data Science Professional
3. Oracle Cloud Infrastructure 2025 AI Foundations Associate
4. AWS Educate Introduction to Generative AI
5. Deloitte Australia (Technology + Data Analytics) Job Simulation on Forage – January 2025