

Kushagra Prajapat

Phone: +91 62678 00192 | Gmail: kushagraprajapat9399@gmail.com |

Links: [Portfolio](#) | [LinkedIn](#) | [Github](#) | [LeetCode](#) | [Credly](#) |

Location: Pune, Maharashtra

PROFESSIONAL SUMMARY

Motivated and curious 3rd-year B.E. student in Information Technology with strong interests in Artificial Intelligence, Machine Learning, Computer Vision and Full Stack Development. Proficient in multiple programming languages and familiar with essential frameworks and tools, I have hands-on experience in implementing projects that enhance real-world functionality.

EDUCATION

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|-----------|--|----------|
| 2023-2027 | B.E. from 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

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|-------------------------|--|
| Programming Languages | Python, JAVA, C++ |
| Web Technologies | HTML, CSS, JavaScript, FastAPI, Django |
| Database | MySQL Server 2008, MongoDB, SQLite |
| Framework | FastAPI, Django, React |
| Tools and IDEs | GIT, VS Code, Docker, Tableau, Excel |
| Competitive Programming | 350+ LeetCode, 3x Unstop Coding Contest Winner |

PROJECT DETAILS

AI based Traffic-Light Management System

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

Description:

Developed an AI-based traffic signal system that dynamically adjusts signal timings based on real-time vehicle detection. An emergency signal mechanism was also introduced for ambulances and other priority vehicles.

Roles and Responsibilities:

- 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%.
- Performed extensive testing and troubleshooting for real-time use cases.

E-Commerce Web Application

Technologies : Django, MySQL, HTML, CSS, Bootstrap, JavaScript

Description:

Built a full-stack e-commerce website with secure authentication and real-time cart features.

Roles and Responsibilities:

- Designed user authentication with login/logout, password validation, and session handling.
- Implemented responsive front-end pages (Home, About, Profile).
- Integrated real-time cart updates based on product selection with live price totals.

- Built Django Admin Panel for product management (add/edit/delete).
- Used MySQL for structured data storage with optimized CRUD queries.

Expense Visualizer

Technologies : Python 3.11.4, FastAPI, VS Code 1.86, Chart.js, HTML, CSS, JavaScript

Description:

Developed a web-based application which has a file drop down feature for .xlsx and .csv files. The application read the document and ask the user to select x and y axis to plot and then plot the data. It also provides messages for incorrect data.

Roles and Responsibilities:

- Designed and implemented application logic based on requirements reducing error by 25%.
- Wrote and optimized backend for data cleaning and pre-processing operations.
- Participated in all phases of the project development life cycle.
- Refactored the code for better readability.

INTERNSHIP EXPERIENCE

- **Automation Intern at AutomateAce**

Sept. 2025 – Nov. 25

- Designed and implemented automated workflows using **Make.com** to streamline business processes and eliminate manual effort.
- Automated tasks such as **sending emails triggered by data entries in spreadsheets/files** and **extracting structured insights from AI-driven calls**.
- Accounted for multiple real-world scenarios to ensure reliability, scalability, and seamless execution of workflows with minimal human intervention.

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

Dec. 2024 – Jan. 25

- Developed application-based GUI, incorporating Tkinter for front-end design with reducing error by 30%.
- Integrated real-time data retrieval using APIs, enhancing performance and interactivity.

CERTIFICATION AND ACHIEVEMENTS

- Oracle Cloud Infrastructure 2025 Generative AI Professional
- Oracle Cloud Infrastructure 2025 Data Science Professional
- Oracle Cloud Infrastructure 2025 AI Foundations Associate (1Z0-1122-25)
- AWS Educate Introduction to Generative AI
- AWS Solutions Architect Job Simulation by Forage – July 2025
- Deloitte Australia (Technology + Data Analytics) Job Simulation on Forage – January 2025
- Accenture Nordics Software Engineering Job Simulation on Forage – January 2025
- Reliance Foundation Scholar (2023)
- ResoStep (2019) (AIR 24th rank)

DECLARATION

I declare that all information given in my application is to the best of my knowledge and belief, true and correct.

Place: Pune

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