

## Aman Kumar Singh

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[LinkedIn](#) | [Github](#) | [Portfolio](#)

### Professional Summary

Python Developer with a passion for building AI-powered applications at the intersection of machine learning and web development. Eager to apply strong problem-solving and software engineering skills to contribute to innovative AI/ML projects.

### Education

L.J. Institute of Engineering and Technology, Ahmedabad

B.Tech in Computer Science Engineering

CGPA: 6.4

Graduation: September 2025

### Technical Skills

- **Frontend:** HTML, CSS, JavaScript
- **Backend:** Python, Django
- **AI/ML:** NumPy, Pandas, TensorFlow, PyTorch
- **Databases:** MongoDB
- **Tools & Platforms:** Git & GitHub, VS Code, Jupyter Notebook

### Experience

Python Django Intern, Maxgen Technologies Pvt. Ltd., Ahmedabad

April 2025 – Present

- Contributed to the development of a full-stack e-commerce website using the Django framework.
- Engineered key features including user registration, wishlists, shopping cart functionality, and order management.
- Integrated the Razorpay payment gateway to enable secure and seamless online transactions.

## Projects

### Plant Disease Detector (Django & TensorFlow) | [Github](#)

- Developed a web application to identify plant diseases from user-uploaded images by integrating a TensorFlow-powered deep learning model.
- Utilized Django for the back-end, Pillow for image processing, and Plotly for data visualization.
- **Technologies:** Python, Django, NumPy, TensorFlow, Pillow, Plotly

### E-commerce Website (Django) | [Github](#)

- Developed a full-featured e-commerce platform focusing on user authentication, product catalog management, a dynamic shopping cart, and streamlined order processing.
- Executed a complete database migration from SQLite to MySQL to enhance scalability and performance, ensuring zero data loss.
- **Technology Stack:** Python, Django, MySQL, HTML, CSS

### Calculator Application (Pygame) | [Github](#)

- Created a responsive desktop calculator with a graphical user interface using the Pygame library.
- Implemented features for persistent calculation history and support for both keyboard and mouse input.
- **Technologies:** Python, Pygame.

## Certifications

- **HTML, CSS & JavaScript for Web Devs** – Johns Hopkins University (Coursera) – January 2023
- **Exploratory Data Analysis for Machine Learning** – IBM (Coursera) – July 2023
- **Algorithmic Thinking** – Rice University (Coursera) – January 2024
- **Building Generative AI-Powered Applications with Python** – IBM (Coursera) – October 2024
- **Machine Learning with Python** – IBM (Coursera) – December 2024