

# Aman Kumar Singh

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

## Summary

Python/Django Developer with a CSE degree and internship experience, specializing in robust full-stack applications and APIs. Experience highlights include an AI-powered quiz app and a complete e-commerce platform. Eager to apply backend skills to build scalable and efficient web solutions.

## 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, FastAPI
- **AI/ML:** NumPy, Pandas, TensorFlow, Scikit-learn
- **Databases:** PostgreSQL
- **Tools & Platforms:** Git & GitHub, VS Code, Docker

## Experience

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

March 2025 – September 2025

- 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

### AI-powered Quiz App (Django) | [Github](#) | [Website](#)

- Architected a dynamic quiz application that leverages the Google Gemini API to generate personalized questions and provide real-time, explanatory feedback.
- Engineered a full-stack solution with Django serving the backend logic and a responsive, vanilla HTML/CSS/JS front-end for an intuitive user experience.
- **Technology Stack:** Python, Django, Gemini API, HTML, CSS, JavaScript

### Algorithm Visualizer (FastAPI) | [Github](#) | [Website](#)

- Created an interactive, full-stack platform for visualizing complex algorithms in real-time, designed to enhance understanding of step-by-step processes.
- Implemented a decoupled architecture using React (TypeScript) for a dynamic front-end and FastAPI (Python) to power the backend API for algorithm execution.
- **Technology Stack:** Python, FastAPI, React, TypeScript, HTML, CSS

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

- 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

## 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