

# Ritik Sharma

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## Profile

Python Developer and Data Analyst with experience in building REST APIs and data-driven applications using Django. Strong foundation in Python programming, backend development, and data analysis. Skilled at working with structured data, writing efficient code, and collaborating in agile team environments. Motivated to continuously learn, improve skills, and contribute to impactful projects.

## Experience

### Python Intern

TruBoard Partners, Mumbai

Apr 2025 – Sep 2025

- Automated workflows with Python, cutting manual effort by 30%.
- Built REST APIs in Flask, improving response time by 25%.
- Analyzed 10,000+ records using pandas and NumPy for accurate reporting.
- Optimized SQL scripts in pgAdmin, enhancing database query performance by 15%.
- Participated in agile ceremonies including daily stand-ups and code reviews.

## Personal Projects

### Amazon Clone

HTML, CSS

[github.com/iRitikSharma/Amazon-Clone-HTML-CSS](https://github.com/iRitikSharma/Amazon-Clone-HTML-CSS)

- Built a fully responsive Amazon homepage clone using Flexbox/Grid for desktop screen resolutions.
- Developed 100% hand-coded HTML and CSS for pixel-perfect layout.
- Created reusable components with modern layouts, improving code maintainability by 20%.

### Flappy Bird

Python, Pygame

[github.com/iRitikSharma/Flappy-Bird](https://github.com/iRitikSharma/Flappy-Bird)

- Recreated classic Flappy Bird game with real-time mechanics and score tracking.
- Developed 3 core features: obstacle generation, collision detection, and animation rendering.
- Optimized game loop for 60 FPS, improving performance by 25%.

### J.A.R.V.I.S

Python

[github.com/iRitikSharma/JarvisAI-Python](https://github.com/iRitikSharma/JarvisAI-Python)

- Developed desktop AI assistant with voice command capabilities.
- Automated 3+ task types: web scraping, file operations, and real-time interactions.
- Improved voice command accuracy by 15%, enhancing task execution reliability.

### Office Employee Management System

Python, Django

[github.com/iRitikSharma/Office-Employee-Management-System](https://github.com/iRitikSharma/Office-Employee-Management-System)

- Developed secure web-based CRUD system with authentication, user roles, and permissions.
- Optimized database queries to improve CRUD efficiency by 20%.
- Ensured data security and access control through role-based permissions.

## Skills

**Programming Languages:** Python, Java, C, C++

**Frameworks:** Django, Django REST Framework, Spring Boot, Selenium

**Libraries:** NumPy, Pandas, Pygame, Matplotlib

**Web Technologies:** HTML, CSS

**Databases:** SQL, MongoDB, pgAdmin

**Tools:** VSCode, Jupyter Notebook, IntelliJ IDEA, PyCharm, Postman, Git, Celery, Docker

**Data & BI Tools:** Microsoft Excel, Power BI

**Soft Skills:** Time Management, Adaptability, Problem Solving

## Education

### K. R. Mangalam University

2020 – 2024

Bachelor of Technology in Computer Science

### S. M. Arya Public School

2017 – 2019

Grade 10th & 12th

## Certifications

- Complete Python Bootcamp 2024: Zero to Expert in Python – Udemy
- Learn SQL – Codcademy

## Languages

English (Fluent), Hindi (Fluent)