

# HARSHAL MAHAJAN

## PYTHON DEVELOPER

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### SUMMARY

AI & Python Expert with a strong foundation in Artificial Intelligence, Data Science, and Data Visualization. Adept at designing and developing intelligent systems, web applications, and data-driven solutions. Demonstrated expertise in building scalable backends, integrating machine learning models, and transforming complex datasets into meaningful insights. Skilled in Python, Flask, Java, C, C++, JavaScript, MySQL, and MongoDB, with a strong focus on applying innovative technologies to solve real-world problems. Committed to continuous learning and excellence in AI-driven development.

### PROFESSIONAL EXPERIENCE

#### UI/UX Development (Intern)

01/2025 – 04/2025

##### Grott Services, Nashik

- Led design and development initiatives for industrial-scale applications, enhancing usability and visual impact.
- Collaborated with product teams to design modern, responsive web and mobile interfaces.
- Improved end-user experience using Figma and Canva for interactive design prototypes.

#### Web Development & Cybersecurity (Intern)

06/2023 – 07/2023

##### Cyber Sanskar, Nashik

- Worked on real-world projects at the intersection of web development and cybersecurity.
- Developed and deployed web-based and Android applications for client requirements.
- Gained exposure to ethical hacking, cybersecurity practices, and bug bounty methodologies.

### EDUCATION

#### Bachelor's in Technology - Artificial Intelligence & Machine Learning

##### Sandip University, Nashik

(Currently Pursuing)

#### Diploma in Information Technology

08/2021 – 06/2024

##### Mahvir Polytechnic, Nashik

Grade: 78%

#### SSC

03/2021

##### Vikhe Patil Memorial School, Nashik

Grade: 70%

### TECHNICAL SKILLS

#### Languages

Python, Java, C, C++, JavaScript, HTML, CSS, PHP, React.js.

#### Specializations

AI Model Development, Data Visualization, API Handling, Web Design, UI/UX, Prompt Engineering

#### Databases

SQL, MongoDB

## PROJECT

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### QR-Based Smart ATM System

- Developed a secure, touch-free ATM solution leveraging QR codes for authentication and transaction safety in PHP. Designed the complete UI and managed the project's database architecture.
- Research published in the International Journal of Advanced Research in Science, Communication & Technology (IJARSCT), Vol. 4, Issue 3, Feb 2024.

### Pizzeria: Online Pizza Ordering System

- Built a full-stack Python + Flask application with a secure ordering workflow and integrated database.
- Designed UI/UX and implemented back-end logic for order management and payment processing.
- Managed a MongoDB database for product listings, user profiles, and order history.

## CERTIFICATIONS

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### AI & Machine Learning

- Oracle Certified Generative AI Professional - **Oracle**
- Oracle Certified AI Foundations Associate - **Oracle**
- Oracle Certified Data Science Professional - **Oracle**
- Oracle Fusion AI Agent Studio Certified Foundations Associate - **Oracle**
- Data Visualization with Python - **IBM**

### Development & APIs

- Postman API Expert - **Postman API**
- API Testing, Workflow Automation, Integration

### Research Publication

"Quick-Cash: A QR-Based Smart ATM" | Published in **IJARSCT**,  
**Vol. 4, Issue 3, Feb 2024**

## DECLARATION

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I hereby declare that the above information is true to the best of my knowledge and belief.

**Harshal Vijay Mahajan**  
Nashik