

# 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.

### 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

### PROFESSIONAL EXPERIENCE

#### Grott Services, Nashik | UI/UX Development (Intern)

Jan 2025 – Apr 2025

- 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.

#### Cyber Sanskar, Nashik | Web Development & Cybersecurity (Intern)

June 2023 - July 2023

- 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.

### PROJECT

#### 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

### 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

## EDUCATION

### Vikhe Patil Memorial School, Nashik

March 2021

SSC | Grade: 70%

### Mahvir Polytechnic, Nashik

Aug 2021 - Jun 2024

Diploma in Information Technology | Grade: 78%

### Sandip University, Nashik

(Currently Pursuing)

Bachelor's in Technology – Artificial Intelligence & Machine Learning