

Payal Tiwari

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GitHub — LinkedIn

Professional Summary

Python Developer with strong foundation in **core Python, object-oriented programming, data structures, and SQL**. Hands-on experience building Python-based applications, data-driven systems, and interactive tools through academic and internship projects. Familiar with backend logic, data processing, and version control using GitHub. Seeking an entry-level Python Developer role to build scalable and efficient software solutions.

Technical Skills

Programming: Python, SQL, C++

Python Concepts: OOP, Data Structures, File Handling, Exception Handling

Libraries: Pandas, NumPy, Matplotlib, NLTK

Databases: MySQL

Frameworks/Tools: Streamlit, GitHub

Concepts: SDLC, Debugging, Code Optimization

Education

B.Tech – Computer Science (Data Science), MIET, AKTU

2022–Present

Class XII (CBSE), Oriental Senior Secondary School — 77%

2021

Class X (CBSE), St. Joseph High School — 84%

2019

Internships

Data Science Intern — Upskill Campus x UniConverge

2024

- Developed Python modules for data preprocessing and application logic.
- Implemented reusable functions for data transformation and validation.
- Collaborated using GitHub for version control and code management.

IBM SkillsBuild Intern

Jun–Aug 2024

- Built Python-based scripts to process and analyze structured datasets.
- Debugged and optimized Python code for improved performance.
- Worked with real-world datasets following industry development practices.

Projects

Data Science Chatbot (Python Application)

GitHub

- Developed a Python-based chatbot handling user queries and session flow.
- Implemented backend logic for response handling and data processing.
- Integrated application using Streamlit for interactive user interface.

Voice Agent (Python)

GitHub

- Built a Python-based voice assistant using speech recognition and TTS.
- Implemented modular code structure with error handling and logging.
- Improved response accuracy through iterative testing and debugging.

Certifications

- Oracle Certified Foundations Associate
- Oracle MySQL HeatWave Explorer
- Generative AI Exchange Program — Hack2Skill (Microsoft)
- Python Certification — MCN

Relevant Coursework

Object-Oriented Programming, Data Structures, Database Management Systems, Software Engineering, Operating Systems