

Ayisha

Python Developer

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SUMMARY

Structured and motivated Python Developer with hands-on experience in building and maintaining scalable web applications. I am proficient in Python, web frameworks like Flask and Django, and database management. Strong foundation in working with APIs, version control, and front-end basics. Eager to apply problem-solving skills and learn new technologies in a collaborative team environment.

SKILLS

- Python
- Data-modelling
- NoSQL
- GitHub
- HTML, CSS, JavaScript
- Flask, Django
- Machine Learning
- Tableau
- SQL
- Microsoft Power BI

EXPERIENCE

JUNIOR PYTHON DEVELOPER | 09/2018 to 08/2020

- CPJ Techno Solutions Pvt Ltd - Madurai, Tamil Nadu, India

- Developed back-end features for a food delivery platform using Flask and Python.
- Assisted in API development and integration, ensuring seamless communication between systems.
- Implemented basic SQL queries for managing data in MySQL databases.
- Collaborated with front-end developers to support application interface features.
- Utilized Git for version control and participated in code reviews to ensure high-quality code.

EDUCATION AND TRAINING

Python Developer

Lexicon IT Proffs | May 2025 – February 2026 | Stockholm | Sweden

Currently enrolled in a comprehensive program covering Python programming, web development with Django and Flask, REST APIs, front-end basics (HTML, CSS, JavaScript), Git/GitHub, SQL, NoSQL databases, cloud services (Azure, Docker, Devops), and introductory AI and Machine learning concepts.

IITM Advanced Programming Professional & Master Data Science

IITM Guvi | November 2023 – April 2024 | Chennai | India

Completed an intensive program covering Python programming, data structures, algorithms, statistical analysis, machine learning, and real-world data science applications using industry tools and techniques.

Bachelor of Science (B.Sc) in Mathematics

Annai Hajira Women's College | June 2015 – May 2018 | Tamil Nadu | India

Gained a strong foundation in problem-solving, logic, and data analysis through coursework in Calculus, Linear Algebra, Probability, and Discrete Mathematics – Skills that support my work in software development.

CERTIFICATIONS

- **PCEP** – Certified Entry-Level Python Programmer Certification
- **Cisco** – IT Essentials certification



PROJECTS

1) Horse Race Prediction:

Key skills: Python, Scikit-learn, Matplotlib, Plotly, Data cleaning, Machine Learning Algorithms, SMOTE, and Streamlit.

Objective: Developed a machine learning model to predict the outcome of horse races, leveraging historical data and various predictive analytics techniques.

Outcome: Implemented cross-validation and used Grid Search for hyperparameter tuning. Achieved an F1 score of 0.78, indicating a balanced performance between precision and recall.

2) YouTube Data Harvesting and Warehousing:

Key skills: Python, MongoDB, SQL, Pandas, API Integration, Data Management, and Streamlit.

Objective: Retrieved data from the YouTube API, stored it in SQL and MongoDB, queried the data warehouse with SQL, and displayed it in the app.

Outcome: Created an interactive dashboard that allows users to access and analyze data from multiple YouTube channels.

3) BizCardX: Extracting Business Card Data with OCR:

Key skills: Python, OCR, Image processing, SQL, Data extraction, and streamlit.

Objective: Built a backend system with Python for image uploads, OCR processing, and data storage.

Outcome: Designed a user-friendly interface for uploading and reviewing business cards and created a database schema to store structured information.

4) Industrial Copper Modelling:

Key skills: Python, scikit-learn, Matplotlib, Plotly, Data cleaning, Machine learning algorithms, EDA, and streamlit.

Objective: Aim to provide precise pricing estimates and optimize the user experience for tracking the orders.

Outcome: Implemented cross-validation and used Grid search for hyperparameter tuning. Attained an impressive R-squared score of 0.95, indicating a strong correlation between the predicted and actual selling prices.

LANGUAGES

English:

B2

Upper Intermediate (B2)

Swedish:

A1

Beginner