Aastha Tayal

SDE

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SDE | ORACLE | PYTHON | C++

PROFESSIONAL SUMMARY

Skilled Software Development Engineer with expertise in Java, Python, C++, Oracle and PostgreSQL. Currently supporting DTDC's data engineering efforts with GCP BigQuery and Kafka. At BluePi, managed Postgres databases, built data pipelines, and led Snowflake layer implementations. Strong background in AI-driven applications, data visualization, and team collaboration. fluent with full professional proficiency in English & Hindi, with a solid foundation in computer applications and data analysis.

KEY SKILLS

✓ Python	✓ Java	✓ Oracle, PostgreSQL	✓ Data Analysis
✓ C/C++	✓ Azure AWS GCP	✓ Snowflake	✓ Linux, Microsoft 365

EDUCATION

Master of Computer Application	2022 - 2024
Vivekananda Institute of Professional Studies TC, GGSIPU	Delhi
Post Graduate Diploma Degree in Data Analysis	2021 - 2022
University School of Management Studies (Main Campus), GGSIPU	Delhi
Bachelor of Computer Applications	2018 - 2021
Jagan Institute of Management Studies, GGSIPU	Delhi
Senior Secondary Education, 12th CBSE Science PCM	2004 - 2018
Lancers Convent School	Delhi

WORKING EXPERIENCE

BluePi Consulting Pvt. Ltd. – Trainee Engineer   Mar 2024 – Sep 2024

Pi Café (*Apr 2024 – July 2024*)

- Managed the PostgreSQL database and created data pipelines to transfer data between S3, PostgreSQL, and Snowflake.
- Led the design and implementation of Snowflake's raw, stage, and final layers, Power BI visualizations.
- Collaborated closely with the backend team on a POS system project and led the data team.

DTDC – *Data Engineer Support* (*July 2024 – Present)*

- Provide support for the DTDC project using GCP BigQuery, implement solutions using Python Kafka.

PROJECTS

Airline Fair Prediction   MCA – 2023

Developed an AI-driven system in Python for optimizing airfare decisions, leveraging machine learning models like Random Forest and Ridge Regression. Deployed user-friendly website to help travelers identify cost-effective booking.

Song Recommendation Chatbot   MCA – 2023

Developed an AI-powered song recommendation chatbot in Python using PyCharm, analyzing user mood and preferences to provide personalized song suggestions, while incorporating Kivy for a cross-platform GUI interface.

Uber Ridership   PGDDA – 2022

Utilized Python, Jupyter Notebook, and R Studio to analyze NYC Uber trip data from Kaggle, employing libraries like ggplot, ggthemes, and lubridate for comprehensive data visualization and analysis.

Make It Easy (Human Resource Management System)   BCA – 2021

Developed a Core Java HR management system with GUI in Java using NetBeans IDE, integrated with Microsoft .NET and XAMPP SQL Server for efficient record management.

CERTIFICATE AND AWARDS

Data Base Management System	Neptel – 2024
Data Analytics Internship Plan	IBM SkillsBuild – 2024
AZ-900: Microsoft Azure Fundamentals	Udemy – 2023
Introduction to Data Science in Python	Coursera – 2020
AI For Everyone	Coursera – 2020
Advance C++ Training	IIT Bombay – 2019