



Qhairunnisa Syed

Software Developer

KL University • 2019 Pass out



Work Experience

Software Engineer @ IBM, Bangalore

June 2019 - Present (56.5 months) | Full-time

- Led end-to-end database development activities for the BRET (Bid Risk Evaluation Tool) Application.
- Designed, developed, and maintained database objects including stored procedures, functions, packages, triggers, and views using PL/SQL and optimized SQL queries for efficient data retrieval and manipulation, resulting in improved application performance.
- Implemented the Sampling methodology, leading to a substantial 15% reduction in bid processing duration and notable enhancements in operational efficiency and also boosted application performance by 60% through strategic code refactoring, indexing, and eliminating full table scans
- Conducted exploratory data analysis (EDA) with data visualization tools including Jupyter Notebook, Python, Pandas, Plotly, and NumPy, leveraging them to uncover application thresholds, patterns, trends, and outliers, facilitating actionable insights for stakeholders.
- Collaborated with cross-functional teams to integrate databases with external systems, enabling seamless data exchange and improving overall system efficiency. Additionally, created and maintained technical documentation for database objects, processes, and procedures to facilitate knowledge sharing and future reference

Skills Developed: PLSQL, Python, MS Office, Data Analysis, Data Visualisation, Data Modeling, MS SQL, Git, Github

Projects

Python Data Loader

- Successfully designed and implemented an automated data loading solution using Python and SQL Loader.
- This script helps in automating the entire data loading process which saves times and reduces the potential for manual errors.
- It dynamically generated control files for SQL Loader, Executes Data Loader commands from within the script to efficiently load the data.

Skills Developed: Python, SQL, Data processing

Zomato Stock Price Exploratory Data Analysis

- This project involves performing exploratory data analysis for Zomato Dataset (2021-2024 Feb).

Tagline

Experienced Oracle PL/SQL Developer proficient in Database Management and Data Visualization Tools.

Skills

PLSQL | SQL | Python | Data Analytics | Data Analysis | Jupyter Notebook | VS Code | Data Modeling | Squirrel | Git

Education

KL University, Vaddeswaram

B.Tech, Computer Science Engineering (CSE)
| 8.24 CGPA

2015 - 2019

Certifications & Courses

PCEP – Certified Entry-Level Python Programmer

- Learned basics of Python.

June 2020 | [Certificate Link](#)

Microsoft Certified Azure Fundamentals

- Gained foundational level on cloud services of Azure.

April 2021 | [Certificate Link](#)

IBM Certified Data Analysis Using Python

- Gained hands-on experience in data analysis, pandas, numpy and other libraries using Jupyter Notebook.

April 2021 | [Certificate Link](#)

IBM Cloud Advocate

- Gained basic knowledge IBM cloud services.

December 2023 | [Certificate Link](#)

- It involves Data collection , Data preprocessing followed by Data Visualizations.
- It helps in understanding the Stock price changes over the years.

Skills Developed: Python, Jupyter Notebook, Data Visualisation

Achievements/ Extracurricular Activities

- IBM Developer Award for implementing an automated data refresh system.
- IBM Developer Award for exceptional dedication in maintaining BRET.
- Conducted impactful training sessions on GitHub and Jupyter for the entire team at IBM.