

MUHAMMAD FARHAN

I am a Data Enthusiast, an experienced Software Developer with a demonstrated history of working in the IT and services industry. Skilled in ASP.NET MVC, Xamarin Android, Node, Databases (Oracle, MySQL), Oracle APEX, Software Development Life Cycle (SDLC), Elastic search, Java, Semantic web and conceptual ontologies, Knowledge graph, Machine learning and Data Visualization (BI, Kibana, Tableau). At the core of my skills is the Python Language which helps performing data engineering, wrangling and modelling.

EDUCATION

BS COMPUTER SCIENCE FROM UNIVERSITY OF ENGINEERING AND TECHNOLOGY, PESHAWAR.

2013 To 2017

Academic Projects:

- Student management system using JAVA and RDBMS. The System can handle all the details about a Student, details include academic details, course details, student personal details, attendance details.
- Space shooter game using unity 3D.
- Interactive Campus Map for UET Peshawar using QGIS. Which provides complete information about the campus like floor plans of all departments, real picture of the buildings, shortest path between different buildings and highlighting it.



MS DATA SCIENCE FROM AIR UNIVERSITY, ISLAMABAD.

2020 To Date

Academic Projects:

- Mood detection application using support vector classifier for features segregation and training.
- Covid-19 diagnosis based on deep learning pipeline using X-ray images.
- Sentiment Analysis performed on data, scraped from YouTube district wise, processed and cleaned using NLTK, categorized using text blob and visualized in a dashboard using elastic search and Kibana.



SKILLS

- **Framework:** Dot Net Framework (Asp.net, MVC, Windows-Form, Xamarin Android), PyQt5, Oracle Apex 18
- **Languages:** C++, C#, Java, Node JS, Python, R
- **Databases:** SQL Server, Oracle (11g, 12c), Teradata (16)
- **Web design:** HTML, CSS, Bootstrap, JavaScript
- **Operating System:** MS Window 7, 8.1, 10, Ubuntu
- **Tools:** Visual Studio (2010, 2012, 2013, 2015 and 2017), SQL Management Studio (2008, 2012), Dockers, Kibana, Elastic Search, SQL Developer, R Studio, PyCharm, NetBeans, Eclipse, Qt Designer, Sql-yog, MY SQL Workbench, Adobe Illustrator, VM ware, SQL Assistant, Teradata Studio.

OPERATIONS DATABASE ADMINISTRATOR, Teradata Islamabad.

23rd Aug 2021 To Date

Project: Three Ireland**Responsibilities:**

- BAR Monitoring
- Viewpoint Monitoring
- Monthly & Daily Reporting on Database performance metrics
- Monitor Backup Daily and weekly jobs and in case of failures provide support
- Monthly & Daily Reporting on Backups jobs and tapes rotation.
- Data replication from production to development environment.
- Developing of run books to keep track of the processes.
- SQL queries to extract data from the data warehouse.
- Presenting the findings in reports (in the table, chart, or graph format) to help the management team/customers in the decision-making process.
- Performing routine analysis tasks to support day-to-day business functioning and decision making.
- Implementing and maintaining database security (create and maintain users and roles, assign privileges).
- Maintaining rights and privileges of Database users on different views, tables and reports.
- Worked directly with co-workers and leadership to develop, design, enhance, and generate monthly reports for end users taking highly complex information and producing user-friendly reports for review by management.

Project: Jaguar Land Rover (JLR)**Responsibilities:**

- BAR Monitoring
- Worked directly with co-workers and leadership to develop, design, enhance, and generate monthly reports for end users taking highly complex information and producing user-friendly reports for review by management.
- Viewpoint Monitoring
- Monthly & Daily Reporting on Database performance metrics
- Monitor Backup Daily and weekly jobs and in case of failures provide support
- Monthly & Daily Reporting on Backups jobs and tapes rotation.
- Reset, Restart and Resolve Failures for All Daily Backup/Restore Jobs.

Project: GDC, Pakistan Manage Services Portal**Responsibilities:**

- This product helps Line managers to manage all the resource information and resource profiles.
 - Streamlined and digitized all the manual work from excel sheets and office files to a centralized data platform and dashboard.
-

SOFTWARE DEVELOPER, State Life Insurance Corporation of Pakistan.

02nd Oct 2017 To 20th Aug 2021

Project: Prime Minister's National Health Program (PMNHP)



Responsibilities:

- Working on Oracle Database (12c, 11g)
- Health Management System using Oracle Apex.
- Enrolment Management system using windows form.
- Desktop application for Incoming and outgoing complaint messages for the hospitals under the panel.
- Registering, Synchronizing, cleaning, normalizing and managing the data after survey.
- Android Application for Beneficiaries enrolment system using Xamarin Android framework.
- Application for identity cards verification using machine learning and python.
- Database Administration.
- Oracle Database management, MySQL Database management.
- DBA Backups, Data Recovery, Data Cleaning
- Trouble shoot and resolve database connectivity issues.
- Documentation of business and product requirements.
- Generating reports for superiors to keep track of the processes.
- Client Support 24X7

INTERESTS

- Software development and operations.
- Data Sciences.
- AWS, AZURE, Cloud services, ETL
- Semantic Web, Conceptual Ontologies
- Artificial Intelligence.
- Linux/Unix/Windows.
- Node/Angular/React

STRENGTHS

- Positive attitude.
 - Team player, having ability to lead and motivate the team proactively and always willing to learn.
 - Strong Hands-on experience of Data Science Tools.
 - Problem solving and computational thinking
 - Enjoy challenges, ambitious and ability to work under pressure.
 - Adaptable, friendly, energetic
-