**NADIR HUSSAIN**

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**Work Experience**

**TechSurge** | Big Data Analyst Intern **Feb’23 – Apr’23**

* Proficiently orchestrated the seamless migration of data from on-premises MS SQL Server instances to a Data Warehouse on **MS SQL Server,** employing **SSIS**.
* Expertly crafted **tabular** and **multidimensional cubes** utilizing **SSAS**.
* Demonstrated prowess in generating impactful dashboards and reports through **Power BI**, drawing insights from source Data Warehouses on **Hive** and MS SQL Server.

**Skills**

* **Languages:** Python, SQL, C++
* **Frameworks:** Talend, Airflow, SSIS, SSAS, Azure Data Factory, Azure Synapse Analytics, Databases (SQL Server, Oracle)
* **Developer Tools:** Git & GitHub, Power BI, Azure Databricks, Microsoft Azure, Linux (Ubuntu, Kali, Seed, RedHat)
* **Libraries:** Apache Spark, Apache Kafka, Hadoop (Hive), Pandas, Beautiful Soup

**Education**

**NED University of Engineering and Technology** | **Karachi Pakistan** **Aug’20 – Aug’24**

* Bachelor of Sciences in Computer Science and Information Technology | CGPA: **3.44/4**

**Projects**

**MindSift (System for Detection of Neurodegenerative Diseases) FYP |** [**Link**](https://mindsift.azurewebsites.net/) **July’24**

* Developed an **AI-driven** healthcare platform for early detection of **neurodegenerative** diseases using **MRI** imaging and advanced machine learning techniques.
* Enhanced **diagnostic** accuracy and provided **real-time** patient monitoring and improving healthcare outcomes.
* Achieved the overall **accuracy of 97 %** which improved the diagnosis process by **60%**.
* **Hosted** the platform on **Azure**, using Azure Databases for **PostgreSQL** for data storage.

**(ETL) for Weather Data using Apache Airflow and Amazon S3 |** [**Github**](https://github.com/NADIRHUSSAIN11/airflow-etl-weather-api-project) **Dec’23**

* Implemented **Apache Airflow** ETL pipeline for real-time weather data extraction from **OpenWeatherMap API**.
* Conducted data transformation and loaded processed data into **Amazon S3** for scalable storage.
* Utilized **Ubuntu** and **SSH** for remote access, demonstrating proficiency in data engineering and cloud storage.

**Scholarship Data Analytics with Azure Data Engineering |** [**Github**](https://github.com/NADIRHUSSAIN11/Scholarship-Data-Analytics-with-Azure-Data-Engineering) **Jan’24**

* Integrated data from **GitHub API, MS SQL Server, Amazon S3** via Azure Data Factory, processed in Azure Data Lake Gen 2, and analyzed with Azure Databricks for the project.
* Crafted a dashboard with **Power BI** for visual insights in the scholarship data.

**kafka Azure Data Engineering Real-time Stock Market Project |** [**Github**](https://github.com/NADIRHUSSAIN11/kafka-Azure-data-engineering-real-time-stock-market-project) **Feb’24**

* Developed and implemented a **real-time stock data** processing pipeline leveraging **Apache Kafka**, Python, and cloud technologies on Azure platform.
* Produced and consumed **live stock** data streams using Python libraries for **JSON,** Apache Kafka, and **Pandas**, ensuring efficient handling and processing of data in real-time.
* Utilized Azure **Data Lake Gen2** for secure storage and **Azure Synapse Analytics** for querying and formatting real-time stock data, enabling rapid insights and decision-making in a dynamic market environment.

**Licenses and Certifications**

* Microsoft Certified: Azure Data Engineer Associate (**DP-203**) | [**Certificate**](https://learn.microsoft.com/api/credentials/share/en-us/NADIRHUSSAIN-6823/662D750C3C93530D?sharingId=496DF442F9C2E220)
* Microsoft Certified: Azure Fundamentals (**AZ-900**) | [**Certificate**](https://learn.microsoft.com/api/credentials/share/en-us/NADIRHUSSAIN-6823/DC5950C92D7451B?sharingId=496DF442F9C2E220)
* Microsoft Certified: Data Fundamentals (**DP-900**) | [**Certificate**](https://learn.microsoft.com/api/credentials/share/en-us/NADIRHUSSAIN-6823/B26F4AF316808D81?sharingId=496DF442F9C2E220)

**Academic and Extracurricular Achievements**

* [Held the designation of **Gold** Microsoft Learn Student Ambassador (**First in the history of Karachi**).](https://mvp.microsoft.com/en-US/studentambassadors/profile/942cd133-83c7-4579-9553-7c4b5f9cd1bc)
* [Served as Microsoft Innovative Education **Expert.**](https://www.credly.com/badges/43351f73-d304-4ac0-b73f-4570c13d6eb1/public_url)
* [**Secured 1st** position in coding competition **organized by Koderz Club** and received **cash prize of 100,000 PKR**.](https://cct.neduet.edu.pk/KoderzKombat23)
* [Earned **Azure Kudos**, **Community Hero** and Mentor badger from Microsoft on **community service**.](https://www.azureheroes.community/user/15524)
* [Successfully conducted a series of workshops **as a speaker** in **collaboration with HEC** on Azure Data Engineering.](https://events.hec.gov.pk/#/webpage/257)

**Positions of Responsibility**

[**Microsoft Learn Student Ambassadors' Club NEDUET Karachi | Lead & Founder**](https://cct.neduet.edu.pk/mlsa)  **Jan’22 – Aug’24**

* Mentored **90 CSIT** students in their preparation for Free Cloud certifications, resulting in **6 students** successfully attaining Microsoft certification, collectively valued at approximately **$594.**
* Facilitated complimentary access to LinkedIn Premium for **24 students and teachers**, with an estimated value of **$5736.**
* Orchestrated and led high-caliber workshops covering **Cloud Computing, Data Engineering, Git, and AI**.
* Actively championed events such as **Microsoft Imagine Cup, Student Summit, and Edu Day**.