Muhammad Asad

asaadkhalil1@gmail.com
https://asadkhalil.github.io/
+92-324-4580062
https://www.linkedin.com/in/muhammad-asad10/
Time Zone: GMT +5

EXPERIENCE

Careem   Dubai, UAE
Software Engineer   *July 2022 - Present*

- Engineer on our in-house Machine Learning Platform - Writing, test, and debug code using languages such as Go, Python
- Reduced AWS cost upto 10 % by migrating the deployments to kubernetes
- Participate in code reviews and provide feedback to improve code quality.

Munch:ON   Dubai
Software Engineer   *July 2021 - July 2022*

- Achieved 70% of accuracy for time series predicted model (called JASPER) that predicts the number of orders for a given week across all the restaurants
- Worked closely with a team of data engineers and BI analysts to improve the efficiency of the scheduling (called Merlin) by 20%
- Achieved 60% accuracy for subscription churn prediction model .
- Built and maintained data pipelines using Python and SQL.
- Designed and implemented data pipelines to extract, transform, and load data from various sources, including APIs, databases, and flat files.

EDUCATION

FAST NUCES   Lahore, Pakistan
Bachelor of Science in Computer Science

PROJECTS

- **Ecommerce Application**
  - Create Ecommerce Application Using Microservices
  - A REST API built using NodeJS, ExpressJS relies MongoDB as a data store.

TECHNICAL SKILLS

- **AWS**:
  - Experience with Amazon EC2, including launching and managing instances, creating and managing security groups, and implementing auto-scaling.
  - Experience with DataBases, Experience with Amazon RDS, S3 and DynamoDB, including creating and managing databases, configuring backups, and implementing replication..
  - Experience with Amazon SageMaker, including creating, training, and deploying machine learning models, using SageMaker Studio and SageMaker Autopilot, and implementing MLOps.
  - Used Elastic Beanstalk to monitor and troubleshoot web applications, including using CloudWatch, AWS Elastic Beanstalk Health and Elastic Beanstalk's event stream."

- **Docker Kubernetes:**
  - Experience with creating, managing, and deploying Docker containers, including building and pushing images to a registry and running containers on different platforms.
  - Experience with deploying, scaling, and managing containerized applications using Kubernetes, including creating and managing pods, services, and deployment

- **Data mining**: SQL, MongoDB, S3, Pandas, Seaborn, Matplotlib, Scipy
- **Machine Learning Deep Learning**: Statistical Analysis, Linear and Logistic Regressor, Clustering, Handling outlier and anomalies, Feature reduction, Feature selection, Bagging and boosting algorithms, Clustering Models, Quantitative Analysis, Pytorch, SkLearn, Keras, OpenCV
- **Tools:**
  GoLang , Python , Django, SQL, Plotly, CronJobs, Streamlit, PyCharm, Anaconda Navigator, DataBricks, Wandb, MS-Visual Studio, Netbeans,Intellij Idea, Cypress, Selenium, JUnit Testing, Apache Airflow, Apache Spark