Afsah ur Rehman

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EDUCATION

Information Technology University (ITU)   Lahore, Pakistan
BS Computer Science

SKILLS

Deep Learning │ Machine learning │ Cloud (Azure, AWS) │ MERN Stack │ Data Engineering │ Azure DevOps │ Python │ React │ Angular │ MYSQL │ Node Js │ MongoBD │ Git & Github

PROFESSIONAL EXPERIENCE

Data Engineering Intern – AI Focus 🔗   Jul 2024 – Aug 2024
DigiFloat
- Built ETL pipelines with Azure Data Factory, Databricks, and Functions; transformed data in Blob Storage, Data Lake Gen2, and Azure SQL; queried via Synapse; fine-tuned and deployed GPT models; set up CI/CD with Azure DevOps and deployed web apps.
- Tools: *Azure DevOps, Data Factory, Databricks, Functions, Synapse, Blob Storage, Data Lake, Azure SQL, GPT API, Python, PySpark, SQL, Pandas, NumPy*

Web Development Intern 🔗   Jun 2023 – Aug 2023
TIERS Limited
- Build blog, Ecommerce, Portfolio, University websites
- Tools: *React, MySql, Node Js, Bootstrap, JavaScript*

PROJECTS

Multi-Tier VPC Deployment │ Cloud
Provisioned an AWS VPC with a public app subnet (via Internet Gateway) and a private DB subnet (via NAT Gateway); enforced routing, Security Groups, and NACLs for strict traffic control. (*AWS VPC, IGW, NAT Gateway, Route Tables, Security Groups, NACLs, EC2*)

ETL Pipeline Creation │ Cloud
Built ELT workflows using Data Factory, Azure Functions, Blob & Data Lake Gen2, and Azure SQL Database. (*Azure Data Factory, Azure Functions, Blob Storage, Data Lake Gen2, Azure SQL*)

EC2 Docker Compose Stack │ Cloud
Deployed Node.js login service and MongoDB via Docker Compose on EC2; secured instances with restrictive Security Groups. (*Docker, Docker Compose, Node.js, MongoDB, EC2*)

CI/CD Pipeline Development │ Cloud
Configured automated build-test-deploy pipelines in Azure DevOps integrated with GitHub. (*Azure DevOps, Azure Pipelines, GitHub*)

Web App on Azure Function App │ Cloud
Deployed a scalable serverless website using Azure Functions. (*Azure Functions*)

CERTIFICATES

AWS re/Start Program Graduate 🔗
Completed 12-week **AWS Cloud Practitioner** curriculum; awarded AWS Cloud Practitioner exam voucher and AWS re/Start graduate badge (exam scheduled).