

AHMED NADEEM

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GRADUATE STUDENT

SKILLS

Programming & Development: React JS, Django Rest Framework, Python, C#, Front-end & Back-end Development

Data: AI, Machine Learning, ETL tools (Fivetrain, Datddo), Python, PostgreSQL, Web Scraping

Game Development & Rendering: Unity 2D/3D, C#

Software Engineering: Clean Code, Project Management, Time Management

PROFESSIONAL EXPERIENCE

Arbisoft

Tenure: July 2024-September-2024

Role: Intern

Accomplishments:

- Hands on experience (React, Django, DRF)

Mindstorm Studios

Tenure: July 2024-September-2024

Role: Intern

Accomplishments:

- Hands on experience (Unity, C#, Game Design and Development)

DataPilot

Tenure: January 2025-April 2025

Accomplishments:

- Hands on experience
 - Data ingestion ,ETL tools, Data Analysis, Web Scraping
 - EDA, Amazon AWS, Talend, PostgreSQL
 - GCP, Cloud Services
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PROJECTS

Arrhythmia Classifier: Built a 16-layer CNN model for classifying arrhythmia types from ECG data.

AWS Serverless ETL Pipeline: Designed and implemented a serverless ETL pipeline using AWS services to process and validate news articles and CSV data through technologies like AWS Lambda, S3, EventBridge, SNS, Parameter Store, Python, Pandas, Pytest

Political Bias Detection In Pakistani News: Implemented RAG on all-mpnet-base-v2 paired with Roberta sentiment model to classify the biasness on more than 50000 records of dataset which was collected through data scraping and frontend developed in NextJS.

Medallion Architecture Implementation: Designed and implemented a Medallion Architecture (Bronze, Silver, Gold) in PostgreSQL for structured data ingestion, transformation, and reporting. Optimized performance using indexing, partitioning, and materialized views, and built Fact & Dimension tables to generate business KPIs. Automated SQL queries to dynamically retrieve data from all layers for efficient analysis.

CERTIFICATIONS & LICENSES

DATA ENGINEERING BOOTCAMP BY DATA PILOT (in progress)

Tenure: January 2025- April 2025

ARBISOFT RECOMMENDATION LETTER

Tenure: July 2024- September 2024

EDUCATION

National University of Computing Emerging Sciences

2021-2025

Bachelors in Computer Science

Government College University lahore

2019-2021

Intermediate in PreEngineering

Crescent Model Higher Secondary School

2009-2019

Matriculation