Ahmed Shoaib

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Education

BACHELOR'S IN COMPUTER SCIENCE - HABIB UNIVERSITY   *August 2021 – May 2025*
- *Relevant Coursework*: OOP, Database Management, Data Structures and Algorithms, Software Engineering, Operating Systems, Algorithm Design Analysis, Computer Graphics, Intro to Deep learning, Data Science, Social Network Analysis, Generative AI

A LEVELS - NIXOR COLLEGE   *August 2019 – May 2021*
- **Subjects:** Physics, Chemistry, Biology and Mathematics

Experience

SYSTEMS LIMITED   *June 2024 – August 2024*
Data Analyst Intern
- Acquired hands-on experience in Data Engineering and developed end-to-end ETL pipelines using Visual Studio..
- Gained expertise in data analysis workflows and created a Power BI dashboard for effective data visualization.
- Delivered a comprehensive data engineering project showcasing insights through interactive analytics.

JAFFER BUSINESS SYSTEMS   *August 2023 – December 2023*
Data Analyst Intern
- Developed a comprehensive HR dashboard using Power BI to visualize employee data efficiently.
- Transformed raw HR data into intuitive visualizations for employee demographics city and company retention rates, company demographics, and attrition demographics.
- Enabled data-driven HR decision-making by providing analytics on retention and organizational insights.

FOLIO3   *June 2023 – August 2023*
Data Engineer Intern
- Led a transformative project bridging data consistency between Microsoft Dynamics 365 (D365) and AX2012, ensuring seamless alignment of critical business data.
- Collaborated with a cross-functional team of industry professionals, gaining practical insights into ERP systems and real-world dynamics.

Projects

- **Building** a full-stack web application with Next.js and MongoDB to streamline job applications for candidates and recruiters, using LLMs integration to rank resumes based on job descriptions.
- **Developed** an Azure-based data analytics solution leveraging Azure Data Factory, Data Lake Gen 2, and Synapse Analytics for efficient data processing.
- **Implemented** bug severity prediction using BERT, performing a comparative analysis of transformer models (DistilBERT, RoBERTa, ALBERT). Utilized a Kaggle dataset of 50,618 bug reports to enhance predictions with weighted loss functions and class balancing techniques.
- **Optimized** range query performance in e-commerce datasets by implementing a van Emde Boas (vEB) tree in Python.
- **Created** a responsive MERN stack application with an admin panel, CRUD functionality, and Cloudinary integration for event management.
- **Designed** and developed an Application Tracking System using React.js and Django to enhance job application workflows

Certifications

- **Microsoft Power BI Practical Guide 2023**
  A practical course on Power BI for data visualization and analytics, emphasizing dashboard creation, data modeling, and report generation.

- **Machine Learning Specialization by DeepLearning.ai**
  DeepLearning.AI's Coursera specialization includes 3 courses covering regression, classification, recommenders, reinforcement learning, and advanced algorithms.

Skills & Abilities

- ETL/ELT
- Azure Data Fundamentals
- SQL Server Data Tools
- Apache Spark
- Microsoft Power BI
- Pytorch/Tensorflow
- Git/Github
- MERN Stack
- NextJS
- JavaScript
- Django
- Python
- SQL/NoSQL
- Machine Learning

Achievements

- Secured a 50% Merit Scholarship at Habib University.
- Dean's List for the academic year 2020.
- Awarded a 25% Merit Scholarship at Nixor College.
- Scored A* in Physics and A in Mathematics at A Levels.
- Achieved 4 A*s and 4 As in O Levels