**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 Certifications

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| * **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 | * **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 Achievements

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| --- | --- | --- | --- | --- | --- |
| * 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 |  |  | * 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 |  |