

Ahmed Hussain

Strategic Business Intelligence Engineer | 10+ Years of Expertise in Data Science, Data Analytics & Data Engineering.

Proven in developing BI strategies, managing teams, and driving efficiencies. Master's degree holder skilled in Budget Management, Financial Reporting, Predictive Analytics, Data Governance, Data Management, Visualization, Data Quality Checks, Big Data Analytics, and AI/Machine Learning Analytics. Proactive 'Go-getter' adept at data analysis, BI tools, and innovative solutions, with a successful track record at Meta, PwC, and Atlassian.

WORK EXPERIENCE

PwC (Capital One)

Cupertino, CA

Data Analytics Engineer- Risk Data Warehouse Modernization

Oct 2024 - Apr 2025

- Risk Data Warehouse Modernization for reporting internal loss data (Basel, OCC, FRB, CCAR)
- Collaborated with technical teams, management stakeholders, and application owners to capture data pipeline requirements and ensure data integrity, compliance and successful data migration.
- End to end data validation using SQL, Python, Excel and Google Sheets
- Building data quality Tableau dashboards to monitor health of data pipelines
- Writing manual data insertion python scripts
- Querying redshift, snowflake and legacy data warehouse towards data reconciliation
- Standardizing and transforming data to align with business requirements and compliance with data management policies

Atlassian

San Francisco, CA

Data Scientist - Product Analytics

Mar 2024 - Sep 2024

- Part of a centralized Data Science team that supports Product Managers in making data-driven decisions.
- Utilizing Statsig for conducting experimentation
- Developing data pipelines using Databricks to streamline data processing, analysis and experimentation workflows.
- Designing and building self-service dashboards - (Tableau, Databricks and Amplitude) to empower stakeholders with easy access to actionable insights.
- Developing Financial reports utilizing predictive analytics in Databricks and Tableau.
- Analyzing and interpreting user behavior and interaction with Generative AI features implemented across platforms such as Confluence, Jira, and Loom.

NCRVA - Northern California Retina Vitreous Associates

Mountain View, CA

Senior Data Analyst

2023 Aug - Mar 2024

- Developed Reports and Dashboards for Executive Leadership - PowerBI, Excel & Athenahealth.
- Engineered and implemented a suite of advanced analytical tools and systems, encompassing Month-End Revenue Cash Flow Reports, Accounts Receivable Dashboards, Rebate Analyses, Year-on-Year analyses, No-Show Appointment Forecasting Algorithms, and Machine Learning-Driven Doctor Scheduling Dashboard. These solutions were meticulously designed to address the complex operational challenges and requirements inherent in healthcare management.
- Automated manual business process using PowerApps and Power Automate.
- Engineered, and executed a tailored procedure for automated patient eligibility and authorization verifications within healthcare operations, yielding substantial time and cost savings by minimizing the need for manual staff intervention.
- Implemented Data Warehouse Pipelines using Microsoft Fabric, Databricks, Snowflake, and Athenahealth.
- Collaborated with Executive Leadership and cross-functional teams to streamline healthcare processes and improve operational efficiency.
- Established strong data governance practices, ensuring that privacy, security, and audit requirements were met across teams.
- Emphasized the importance of clear data standards and stewardship for maintaining data quality.

PwC | (Meta, Wells Fargo, Citi)

Cupertino, CA

Data Analyst / Data Scientist Consultant

2021 - 2023

- Assisted and developed a marketplace of analytical apps for internal use within Meta's Global Operations Unit.
- Analyzed and interpreted large datasets using tools such as Presto, SQL, Diaquery and Python to identify dataset trends, uncover opportunities to improve efficiency, and inform teams in strategic decision-making efforts.
- Collaborated with geographically distributed teams to gather and document business requirements.
- Developed reports and dashboards in Tableau, ThoughtSpot, Unidash and PowerBI.
- Engineered self-service reporting system tailored to the specific needs of HR, Recruiting, Budget Planning, and Headcount Allocation teams, enabling them to efficiently access and analyze pertinent data autonomously with role based data access.
- Created Data Warehouse Pipelines - HIVE | Dataswarm.
- Developed and maintained multiple complex data models, reporting systems, and data automation systems.
- Applied ML models for text classification using python.

- Automating headcount planning and Contingent workforce budgeting exercise.
- Participated and assisted in the implementation and roll out of Asana tool within Global Operations at Meta, driving cost savings by finding gaps in budget allocation, span of control and project efficiency.
- Developed core metrics and KPI's to monitor and measure effectiveness of programs.
- Implemented proof of concepts and evaluated new tools and methodologies in a fast paced environment.
- Conducted in-depth vendor management analysis, including privacy, compliance, and audit requirements.
- Developed ML model pipelines and Python Scripts to identify and fix inefficiencies in Policy and Control Documents, driving cost savings by reducing manual resource utilization.

CDI Managed Services

Roswell, GA

Business Intelligence Engineer

2020 – 2021

- Built end-to-end Tableau reporting solutions to inform decision-making across the organization.
- Collaborated closely with the CFO to develop executive-level reporting systems utilizing ServiceNow, Zuora, and Salesforce.
- Created Self Serviced executive-level reports, key performance indicator (KPI) calculations, and operational dashboards.
- Leveraged Salesforce platform to analyze customer data and extract actionable insights to drive sales and marketing strategies. Created predictive models, segmentation analyses, and recommendation engines to optimize customer engagement and increase revenue.
- Collaborated with Salesforce admin for data ingestion.
- Capture and document data requirements to understand business requirements for implementing data driven solutions.
- Assisted and led development of data warehouse (Azure Data Factory).

Moghul Foods

Troy, MI

Lead Data Analyst | Digital Transformation

2019 – 2020

- Evaluated company data and built dashboards using PowerBI for agile decision-making and to gain a fuller overview of key performance metrics (KPIs) using complex data analysis expressions (DAX) calculations.
- Collaborating with the Marketing Team to help with experimentation and A/B tests in the E-Commerce environment using Mixpanel and Google Analytics.
- Implementing data initiatives and processes to drive sales, forecast inventory and improve customer satisfaction.
- Assisted in implementation of customized ERP modules, building and integrating executive dashboards and reports.
- Utilized ML practices to identify population characteristics, their buying behavior and develop data insights.
- Managed and optimized data warehousing processes and structures within MS Azure environment.

Stefanini

Southfield, MI

Data Scientist - Natural Language Processing

2018 – 2019

- Collaborated in establishing a centralized data analytics team to address diverse ad hoc requests from various departments, fostering efficient and strategic data-driven decision-making processes.
- Build text classification system using ML models, topic modeling.
- Assessed textual email, phone call and support chat logs using Python and machine learning to help multiple business units improve and monitor their processes.

QMI Group Inc.

Madison Heights, MI

Application Developer | Web Analytics

2016 – 2018

- Collaborated with diverse stakeholders spread globally (APAC, EU) to innovate and implement a cutting-edge ordering platform within the Magento framework, streamlining workflows and eliminating redundant, time-consuming middle layers.
- Designed and executed successful development and migration of Magento E-Commerce Stores.
- Utilized Google Analytics and Mixpanel to analyze user interactions and conduct effective A/B testing.

Lawrence Technological University

Southfield, MI

Data Analyst | Statistics

2015– 2016

- Conduct Statistical Analysis (Hypothesis Testing, Descriptive Statistics, Paired t tests, Correlations, Regression and Deductive Analysis).
- Qualitative & Quantitative Analysis of entrepreneurial mindset development of University Students (KEEN Framework)
- Built an online instrument based on a research on Appreciative Inquiry by Professor M.L. Cole and Professor Jacqueline M. Stavros - SOAR Profile.
- Analyzing personalities of S&P 1500 company CEO's from their social accounts and correlating the effect on the financial status of the organization.
- Data collection using Twitter API (collected >60,000 tweets and stored in Amazon RDS) and developed a social media annotation system using PHP based Laravel backend.
- Sentiment Analysis using Neural Networks - Professor Chih Ku - chihhaoku.com

EDUCATION

Lawrence Technological University

Master of Science (M.S.) in Information Technology (Business Intelligence & Data Analytics)

Southfield, MI

2015 - 2017

SKILLS & CERTIFICATIONS

- **Business Intelligence:** Tableau, ThoughtSpot, PowerBI, Unidash, Looker, Alteryx, Microsoft Excel, Google Docs
- **Databases, Warehousing & Cloud Services:** HIVE, Snowflake, Databricks, MS Fibre, Azure Synapse, AWS S3, pgSQL
- **Programming:** SQL, Python, Javascript, Presto, PHP, R, MQL
- **Experimentation:** Statsig, Amplitude, Mixpanel, Google Analytics, SPSS
- **Tools:** Salesforce, ServiceNow, SAP HANA, Zuora, Sage, Quickbooks Enterprise, Asana, Jira, Workday
- **Machine Learning:** OpenAI, Keras, TensorFlow, PyTorch, scikit-learn, scikit-image, NumPy, Pandas, Dlib
- **Certifications:** Machine Learning Engineer (Udacity), Deep Learning – Computer Vision (PyImageSearch)
- **Automation & AI:** PowerApps, Power Automate, Data Synthesis, Prompt Engineering