Farhan Ahmad

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EDUCATION

Carnegie Mellon University | Master of Science in Engineering Management (Data Analytics)   Dec. 2023
- Data and Business Analytics, Machine Learning, Data Science and Statistics, Innovation Management, Product Management, Multi-Criteria Decision Making, Cloud Fundamentals
- ETIM Scholarship Award, Graduate Student Assembly Representative

Birla Institute of Technology and Science, Pilani | Bachelor of Engineering in Electronics and Communications   Sep. 2022
- President - Drone Club, Sponsorship Manager- Event Management Committee, Marketing Manager - Sports Festival

EXPERIENCE

Data Science Consultant   Apr 2024 - Present

FPrime AI | Pittsburgh, PA | Internship
- Utilized decision trees, NLP, text analytics, and regression models in Python, and data visualization in Tableau to analyze client data, improving decision-making by providing prescriptive analytics leading to a 20% enhancement in client outcomes.
- Created technical proposals for clients to actualize their AI capabilities and suggest the right methods and models to make their processes more efficient.
- Conducted sentiment analysis using Python and MySQL Workbench to extract and analyze unstructured data from social media platforms like Facebook, Twitter, and Reddit, providing clients with actionable insights on public perception.
- Designed a recommender system using a dataset of product review ratings using the collaborative filtering approach and data mining methods, leveraging user behavior and feature engineering to enhance personal recommendations

Product Manager   Feb 2024 - Apr 2024

JuneBrain Inc. (Medical Technology Startup) | Pittsburgh, PA | Internship
- Established and managed key performance indicators (KPIs) to benchmark the performance of electronic health record (EHR) systems and interoperability within healthcare environments, leading product discovery initiatives.
- Enhanced user behavior and preference insights by 15%, improving product recommendation accuracy through data analysis from 3 new sources.
- Revamped JuneBrain's commercialization strategy in the B2B sector by synthesizing insights from five market research reports and user surveys, leading to a 10% increase in pre-order subscriptions and bolstered market penetration
- Worked cross-functionally to manage JuneBrain products' development, strategize their go-to-market strategy, and understand how to increase the customer base.

Data Scientist   May. 2023 - Aug. 2023

Allref (Healthcare Technology Startup) | Pittsburgh, PA | Internship
- Streamlined information retrieval by using hnswlib for vector database to store sentence embeddings resulting in a 40% reduction in response time and improving analysis time by 20%.
- Developed Machine Learning models using XGBoost classification algorithms (e.g., logistic regression, decision trees) to analyze structured clinical trial data, improving data de-duplication by 50% and fine-tuning LLMs.
- Orchestrated the establishment of an end-to-end data pipeline using psycopg2, optimizing extraction, transformation, and loading (ETL) along with data modeling operations, resulting in a 50% reduction in processing time and enhanced accuracy.
- Implemented NLP-based text summarization and keyword extraction algorithms (Rake and KeyBERT) on clinical trial data improving data organization and understanding of exclusion and inclusion criteria.

Sr. Digital Transformation Consultant   Jan 2022 - July 2022

DigitalQatalyst | Dubai, UAE | Internship
- Designed and developed over 10 Power BI and Tableau dashboards for Saudi Post Logistics, visualizing key performance metrics (KPIs), budgetary goals, and recovery plans to inform strategic decision-making for the delivery team.
- Analyzed client's business requirements and devised over 10 technological solutions, including cloud technologies, AI, and Big Data, to optimize revenue and productivity.
- Collaborated with cross-functional teams to gather and define technical and non-technical functional requirements, and create data visualizations that improved business performance by 25%.
- Developed mobile app and integration strategies for The Executive Council of Dubai and Saudi Post Logistics as part of the strategy and delivery team.

SKILLS

Languages and Databases - Python, R, C, SQL, PostgreSQL, MySQL Workbench, SQL Server

Technical - Google Analytics, Tableau, Microsoft Power BI, GitHub, Scikit-learn, Pandas, NumPy, Pytorch, Tensorflow