

Rayan Joseph

BI Analyst II

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SUMMARY

Results-driven Data Analyst with a Master's degree in Data Science and over two years of experience. Proven expertise in leveraging annotate data from complex unstructured data from different organization, and data visualization tools such as Python, Tableau, and Power BI to drive business process improvements and enhance decision-making. Hands-on working in Machine Learning, deep learning algorithms with statistical approach in minimal supervision.

EDUCATION

DePaul University <i>Master of Science in Data Science</i>	Chicago, Illinois Aug 2022 - Jun 2024
Anna University <i>Bachelors in computer science</i>	Trichy, India Jun 2017 - Apr 2022

WORK EXPERIENCE

Hyper Atlas Technologies <i>Associate Data Analyst</i>	Trichy, India May 2020 - May 2022
<ul style="list-style-type: none">• Power BI Dashboards: Designed and deployed 100+ Power BI dashboards using DAX, enabling strategic decision-making through complex data visualization and business insights.• Cohort Analysis: Collaborated with board members on cohort analysis, identifying B2B market opportunities and reducing raw material costs, resulting in a 26% revenue increase.• Machine Learning: Created reusable machine-learning models and statistical packages in Python, reducing redevelopment time by 33% and ensuring data integrity and governance.• Recommendation Algorithm: Enhanced a real-time personalized recommendation algorithm by tuning hyperparameters, increasing customer-product engagement by 20%.• Preprocessing & Agile: Established automated ETL and CI/CD pipelines with GitHub, Jenkins, using Kanban Agile to enhance data management and increase workflow efficiency by 78%.• Advanced Analytics: Leveraged WHO datasets and Python (Scikit, NumPy, Pandas, Keras) for advanced analytics in human-light interactions, supporting innovative research.	

SKILLS & INTERESTS

Programming Languages	Python, R, SQL, JavaScript.
Framework/ Tools	Tableau, Anaconda, Power BI, PyTorch, SAS, Abode XD, SkLearn, SQL server, MATLAB, Microsoft Excel, GIT, SQL developer, SPSS, Microsoft Office, Alteryx, Jenkins, Docker.
Databases/Cloud	MySQL, Azure, Hadoop, AWS, Microsoft SQL server.
Soft Skills:	Time Management, client-centric, troubleshooting, meticulousness, rational, multi-tasking, prioritization, actionable manner, attention to detail, accuracy, Self-leadership.
Skills:	Machine Learning, Deep Learning, Computer Vision, GEN AI.

PROJECT EXPERIENCE

TweetHarvester (Mining big data) <i>This is open-source (It's a library) twitter data fetcher</i>
<ul style="list-style-type: none">• Engineered a robust ETL solution to download and process Twitter API data, utilizing regex strategies and time complexity analysis, resulting in a 50% reduction in data load times and improved data accuracy.
DemandSense AI <i>Orchestrated the team and developed KPI's for prediction</i>
<ul style="list-style-type: none">• Visualized key metrics such as sales trends, store performance, and product popularity. Deployed the best-performing model (CATBOOST, RANDOM FOREST) for real-time sales prediction.• Tool which reduces the time to oversee inventory instead it predicts the products using historical data.
Workforce Radar <i>A tool to monitor performance of an employee</i>
<ul style="list-style-type: none">• Spearheaded a pivotal HR analytics initiative, utilizing CATBOOST and Random Forest classifiers to accurately predict promotion eligibility with a peak accuracy of 94.32% on complex test data sets, leading to a 30% reduction in time-to-promotion.• This helps you analyze employee performance and predict which employees will likely leave the organization quickly with KPI's of the analyze metrics.

CERTIFICATES

Data Bricks - Generative AI Fundamentals