Gaurangi Agrawal

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https://gaurangi-06.github.io/Gaurangi/

EDUCATION

Boston University, Questrom School of Business: M.S. in Business Analytics (3.57/4.0) 01/2025

***Coursework**:* Introduction to Data Analytics, Supervised & Unsupervised Machine Learning, Project Management, Operations in Supply Chain Management Analytics, Deploying Analytics Pipelines (ETL), Financial Analytics

MIT World Peace University, India: B-Tech in Electronics and Communication Engineering (3.89/4.0) 05/2021

WORK EXPERIENCE

Business Analytics Summer Intern, Henry Schein, NY 05/2024 – 08/2024

- Organized and optimized 100K+ healthcare financial records using SQL and Microsoft Access, automating reporting via Power BI to improve accuracy and efficiency
- Enhanced stakeholder decision-making by analyzing 800K+ sales records, creating over 50 pivot tables using DAX, and building actionable Power BI dashboards
- Partnered with cross-departmental teams to consolidate six years of sales data (1M+ rows) using Power Query, identifying actionable trends for senior leadership

Graduate Research Assistant (Supply Chain Analytics), Boston University, MA 01/2024 – 05/2024

- Led a team analysis on ESG impact trends using regression on 50+ supply chain factors; findings guided research on policy implications from 2010–2022
- Presented insights to academic partners through Python visualizations (Plotly/Matplotlib), identifying shifts in ESG adoption due to emerging sustainability policies

Programmer Analyst, Cognizant Technology Solutions India Pvt. Ltd., India 08/2021 – 08/2022

- Streamlined workflows with Power Automate and Excel for data integration and reporting, reducing task processing time by 40%, improving data accuracy by 80%, and resolving technical challenges using SQL, Git, and JIRA
- Designed SharePoint sites for client, maintained ETL pipelines using Git and DevOps for real-time KPI monitoring of customer revenue insights, improving processing efficiency from 70% to 95% and ensuring data accuracy

Data Science & Research Intern, Canspirit Artificial Intelligence, India 05/2020 – 06/2021

- Developed an automated supply chain network leveraging MQTT, AWS IoT, and APIs, streamlining operations for multiple stakeholders and reducing manual intervention by 30% in real-time data processing and decision-making
- Led a team of 8 members to build a personalized machine learning model for image classification using Python, enhancing classification accuracy by 20% and improving customer-specific recommendations in a retail context

ACADEMIC PROJECTS

Google Reviews AI Pipeline & Analytics 10/2024 – 12/2024

- Developed an ETLT pipeline to web scrape 130K+ Google Reviews via Apify, using Google Cloud Storage, MotherDuck as data lake, and Prefect for orchestration; created dashboards in Apache Superset
- Refined pipeline with MLOps and LLMOps, integrating VADER and BERT for sentiment analysis and topic modeling; implemented Streamlit and Vertex AI for dashboards and personalized recommendations

Impact of Environmental and Supply Chain Metrics on Company Financials 03/2024 – 05/2024

- Analyzed 77,313 entries, regression analysis revealing that COGS accounts for 92.6% of revenue variance, enhancing financial predictions in supply chain e-waste management
- Developed interactive Tableau dashboards to analyze the impact of different company sectors on financial ratios such as ROA, ST, and others, facilitating data-driven decisions in environmental and financial strategies

SKILLS/ CERTIFICATES

- **Programming Languages:** Python, SQL, NoSQL (MySQL, Neo4j), VBA
- **Data Management & Engineering:** ETL Development, Data Modeling, Data Warehousing, Prefect, Databricks
- **Visualization & Analysis:** Power BI, Tableau, Apache Superset, Microsoft Excel, Statistical Modelling, Looker, GCP
- **Tools & Automation:** Power Automate, Power Apps, JIRA, GitHub, VS Code, SQL Server Management Studio
- **Certifications:** Azure Data Fundamentals, Azure Fundamentals, IBM Data Engineering (ongoing)