Abu Saleh

Data Scientist & Data Analyst | AI/ML • Forecasting • SQL • Python • Power BI • AWS

✉ saleh.gannon.ds@gmail.com | 📞 (585) 601-3946

🔗 LinkedIn | GitHub | Portfolio

Professional Summary

Data Scientist & Analyst with 6+ years of experience in data analytics, AI/ML, and cloud deployment. Skilled in **Python, SQL, Power BI, TensorFlow, and AWS SageMaker**, with a record of improving forecast accuracy by **30%** and automating large-scale data pipelines. Adept at building BI dashboards, deploying ML models, and delivering data-driven insights to support business and research goals. Seeking to leverage AI-driven analytics to optimize decision making in enterprise environments.

Technical Skills

Languages & Frameworks: Python, SQL, Java, JavaScript | Pandas, NumPy, Scikit-learn, TensorFlow, XGBoost, LSTM/GRU, ARIMA | Power BI (DAX), Tableau, D3.js, Excel | AWS (RDS, SageMaker, CloudWatch), Azure ML, Docker, Git | ETL, Feature Engineering, A/B Testing, Statistical Analysis

---

Experience

Graduate Research Projects | Gannon University, Erie PA | 2023–2025

- Engineered AI-driven forecasting models with Python and SQL, boosting prediction accuracy by 30%.
- Designed and deployed interactive Power BI dashboards for academic analytics.
- Developed automated ETL pipelines for data cleaning and model retraining.
  Technologies: Python, SQL, Power BI, AWS SageMaker

Computer System Engineer | Innovana Event Ltd., Bangladesh | 2017–2023

- Automated IT and data workflows using Python, PowerShell & Docker, reducing resolution time by 40% across 50+ systems.
- Built real-time Power BI dashboards integrated with REST APIs to improve performance visibility.
- Maintained 99.9% uptime for critical operations through AWS CloudWatch monitoring.
  Technologies: Python, Power BI, Docker, AWS CloudWatch

Database Administrator | A.S Traders, Bangladesh | 2013–2017

- Optimized MySQL, SQL Server & PostgreSQL databases on AWS RDS, improving query speed by 45%.
- Implemented automated backups and disaster recovery via AWS snapshots and cron jobs ensuring zero data loss.
  Technologies: MySQL, PostgreSQL, AWS RDS

Projects

GenAI Tools — Resume Q&A + JD ↔ Resume Match *(Python, Streamlit, LangChain, MiniLM, FAISS, Groq Llama-3.1)* – Built and deployed a RAG-powered resume Q&A app with keyword matching. 🔗 Live Demo | GitHub

AI-Driven Sales Forecasting *(Python, TensorFlow, AWS SageMaker)* – Processed 50K+ records and improved forecast accuracy by 30% using LSTM, GRU & XGBoost. 🔗 GitHub

Retail Sales Performance Dashboard *(Power BI, DAX, Excel)* – Created multi-year dashboards identifying top regions and products. 🔗 GitHub

Interactive Data Visualization Dashboard *(D3.js, JavaScript)* – Developed multi-page visualizations for social and retail data.

🔗 Live Demo | GitHub

➡ **See more projects:** Portfolio

Education

M.S. in Computer & Information Science (Data Science) – *Gannon University, 2023–2025* -Capstone: *AI-Driven Sales Forecasting for Retail Inventory* (Improved accuracy by **30%**)

Certifications & Achievements

AWS Solutions Architect (In Progress); Databricks for Data Engineering & Generative AI (2025); Microsoft Azure AI Fundamentals (2025); Google Data Analytics (2024); Python for Data Visualization (2025); Responsive Web Design – freeCodeCamp; Dean's List (Gannon 2024)