

Abu Saleh

◆ Data Scientist | AI/ML Engineer | Data Analytics & Data Analysis | Cloud Specialist

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PROFESSIONAL SUMMARY

I'm a Data Scientist with a solid background in machine learning, cloud computing, and predictive analytics. I love building models that help people make better decisions. Whether it's deploying models in production or collaborating with teams to get things done, I'm always looking for ways to make data useful. I'm all about turning complex data into practical insights that drive success.

EDUCATION

M.S. in Data Science & Artificial Intelligence

Gannon University, Erie, PA — Aug 2023 – May 2025

Capstone: AI-Driven Sales Forecasting for Retail Inventory (boosted accuracy by 30%)

Key Coursework:

- Big Data Analytics, Data Mining Techniques, Data Analysis & Visualization, Business Intelligence
- Statistical Computing, Database Management Systems, Data-Centric Methods, Cloud Architecture
- Object-Oriented Programming (Java), Data Structures, Project Management, Directed Research

TECHNICAL SKILLS

- **Languages:** Python, SQL, Java, JavaScript
- **Frameworks & Libraries:** Pandas, TensorFlow, Scikit-learn, Apache Spark, MapReduce
- **Cloud & DevOps:** AWS (RDS, SageMaker), Docker, GitHub, REST APIs
- **Visualization:** Power BI, D3.js, Matplotlib
- **Other Skills:** Node.js, MySQL, building data pipelines, problem solving, working with teams

PROJECTS

AI-Driven Sales Forecasting for Retail Inventory | Python, TensorFlow/Keras, Pandas | 2025

- Worked with over 50,000 retail records, creating features like lag values and rolling averages to capture seasonality and trends.
 - Compared models like ARIMA, SARIMA, LSTM, GRU, and XGBoost, fine-tuning for the best performance.
 - Improved forecast accuracy significantly, helping with better inventory planning and less waste. Deployed the model using AWS SageMaker with an automated retraining pipeline.
- 🔗 [View project on GitHub](#)

Retail Sales Performance Dashboard | Power BI, DAX, Excel | 2025

- Dug into two years of sales data to spot patterns and key trends by region and product category. Built an interactive dashboard so managers could easily track sales and make smarter inventory decisions.
- 🔗 [View project on GitHub](#)

Interactive Data Visualization Dashboard | D3.js, JavaScript, HTML5, CSS3, JSON | 2025

- Built multi-page dashboard: scatter plot, histogram, pie chart, stacked bar
 - Topics: Sleep health, Social media, Black Friday purchases
 - Responsive, filterable UI hosted on GitHub Pages
- 🔗 [View project on GitHub](#)

CERTIFICATIONS

- AWS Solutions Architect (In Progress)
- City Program
- Responsive Web Design – freeCodeCamp

PROFESSIONAL EXPERIENCE

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

- Automated IT tasks with Python, PowerShell, and Docker, cutting issue resolution time by 40%.
- Maintained 99.9% uptime for company events and helped the business triple its growth.
- Worked closely with teams to set up system monitoring and reporting dashboards.

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

- Managed MySQL, SQL Server, and PostgreSQL databases on AWS RDS.
- Improved performance by 45% and made sure data was always recoverable.

Network Administrator | Cosmopoint Institute, Kuala Lumpur, Malaysia | 2006 – 2008

- Kept the Cisco network running smoothly and securely with 99.9% uptime.
- Reduced troubleshooting time by 50% and kept things stable during high-traffic events.

KEY ACHIEVEMENTS

- Dean's List, Gannon University (2024)
- Investigated intelligent inventory control using deep learning and time-series modeling — with potential for future academic research.
- Developed & deployed a multi-page D3.js data dashboard hosted on GitHub Pages
- Created an interactive Power BI sales dashboard used to uncover key trends and guide inventory decisions
- Improved retail sales forecast accuracy by 30% using LSTM, GRU, ARIMA, and XGBoost models
- Completed advanced coursework in Big Data, Machine Learning, Cloud Architecture, and Visualization