

Jawad Jamshaid

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About Me

Skilled Data Scientist with expertise in Python, SQL, and Power BI, leveraging a military officer background to solve complex problems with analytical precision. Led an AI-based predictive maintenance system that reduced equipment downtime by 20% and maintenance costs by 15%. Developed Power BI dashboards that accelerated decision-making by 30%. Proven ability to manage high-pressure projects while balancing military service, academic studies, and part-time data analysis. Explore my website for detailed project insights and code samples.

Expertise

- Programming Languages: Python (Pandas, NumPy, Scikit-learn, Seaborn, Matplotlib, TensorFlow, Keras), SQL, Shell
- Data Analysis Tools: Power BI (DAX, Power Query), Python, SQL, Git
- Technical Skills: Data Visualization, Data Modeling, ETL Processes, Financial Analysis, Machine Learning, Deep Learning
- Soft Skills: Leadership, Verbal/Written Communication, Fluent in English

Education and Professional Experience

Pakistan Navy Service and Education

(Jan 2021–June 2025)

- Bachelor's in Maritime Sciences, National University of Science and Technology (NUST), Pakistan
 - Completed as part of military service requirements, integrating academic training with active-duty responsibilities.
- Naval Officer (IT Branch), Pakistan Navy
 - Led AI-based Predictive Maintenance System for diesel generators, using Random Forest and SMOTE to handle unbalanced data, achieving 90% accuracy in failure prediction, reducing downtime by 20% and maintenance costs by 15% (Sep 2024–June 2025).
 - Developed AI-driven Breast Cancer Prediction System, improving early detection accuracy by 10% through deep learning models (Jan 2025–June 2025).
 - Coordinated cross-functional teams in high-pressure environments, ensuring mission-critical deliverables under tight deadlines.
 - Conducted quantitative analysis across multiple projects to drive data-informed decisions.
 - Designed and implemented ETL pipelines to streamline data integration and enhance processing efficiency.
 - Built and maintained robust databases to support critical applications and ensure data integrity.

- Designed and implemented data models to optimize production management and business processes.
- Analyzed complex datasets to identify trends and actionable insights.
- Built interactive Power BI dashboards using DAX and Power Query, accelerating decision-making speed.
- Developed predictive models to forecast business metrics, improving strategic planning accuracy.
- Defined and tracked Key Performance Indicators to support strategic goals.
- Delivered pixel-perfect paginated reports for stakeholder presentations, enhancing communication and alignment.

Certifications

- AI and Data Sciences, [SMIT](#)
- Python Programming & Development, DataCamp
- Data Analysis & Visualization, IBM
- Power BI, DataCamp
- SQL, DataCamp
- Financial Analysis, DataCamp

Projects

- Details and code samples of over 75 Python, SQL and Power Bi projects available at jawadjamshaid.com.