

Naheed Sajjad

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Profile

- Overall 5+ years of professional experience in IT /Education/Telecom industry as Remote Sensing Analyst and Instructor.
- Hands-on experience developing Flask-based web applications using HTML, JavaScript/CSS, SQL, and API integrations with multiple REST endpoints and Google Analytics to support user engagement and system improvement.
- Skilled in analyzing user data and creating clear, automated reports using Python, Excel, power BI and Tableau to provide insights that improve application functionality and user engagement.
- Capable of maintaining, cleaning, and updating databases to ensure accuracy and data integrity.
- Exceptional interpersonal communication skills, analytical capabilities, attentive listening, and a continuing pursuit for increased knowledge of new trends and resources.

Education and Certifications

BAPG - Business Analytics <i>Cambrian College, Sudbury, ON, Canada</i>	2025 – Cont.
Data Analytics Essentials <i>CISCO Networking Academy</i>	2024
Master’s in Mathematics <i>Quaid-i-Azam University, Islamabad, Pakistan</i>	1998 - 2000

Projects

Flask Web App with API Integrations

- Built a multi-page Flask web app using HTML, CSS, and templates with clean navigation and organized page structure.
- Integrated real-time APIs to display ISS location, weather data, country details, and distance from the user.
- Added extra features like a BMI calculator and weather page and connected the site to Google Analytics to track user activity.
- Used Python and automation tools to generate simple reports and improve the app’s overall functionality and user experience.

Machine Learning–Based House Price Prediction in Python

- Cleaned, explored, and prepared a Kaggle housing dataset by handling outliers, encoding categorical features, and normalizing numerical variables.
- Applied PCA to reduce dimensionality and improve model performance while retaining essential information.
- Built and compared multiple supervised ML models (Linear Regression, KNN, Random Forest, SVR, Neural Network, Gradient Boosting) for predicting house prices.
- Evaluated models using R², MAE, and MSE and selected the best-performing algorithm based on accuracy and overall predictive performance

Tableau Dashboard Project – Housing Affordability in Canada

- Engineered an automated data analysis pipeline by modeling a raw Kaggle dataset in Tableau, utilizing advanced calculations and clustering to dynamically identify and visualize key housing market trends.
- Designed and built an interactive Tableau dashboard featuring multi-chart visualizations to communicate affordability insights across Canadian provinces, showcasing skills in data modeling and automated report generation.

Professional Experience

Mathematics Instructor Madinatul Uloom Academy –Scarborough, ON	2015 – 2016
<ul style="list-style-type: none">• Applied analytical and data-driven approaches to assess student performance, identify learning trends, and develop strategies for measurable improvement in outcomes.• Designed and implemented structured lesson plans, demonstrating strong documentation, organization, and process management skills applicable to business analysis and IT projects.• Communicated complex mathematical and statistical concepts clearly to diverse audiences, strengthening ability to translate technical insights into actionable information.• Collaborated with academic staff to streamline grading and reporting workflows, enhancing process efficiency and accuracy.	

Remote Sensing Analyst – Thesis

2006 – 2011

ENSTA Bretagne – Brest, France

- Developed and implemented radar based analytical model for signal processing, target detection, communication and navigation systems
- Utilized Python and MATLAB to process large-scale simulations, comparisons with experimental data and visualizing results to validate the analytical model
- Collaborated with cross-functional teams to translate remote sensing data insights into actionable improvements in radar system performance and make informed security decisions.

Mathematics Instructor

2012 – 2013

COMSATS University – Abbottabad, Pakistan

- Designed and implemented lesson plans to teach complex mathematical concepts, applying critical thinking and problem-solving techniques.
- Analyzed student performance data, identifying trends in assessment results to develop tailored improvement plans.
- Utilized Excel to track student progress, creating charts and reports for parent-teacher meetings and administrative reviews.
- Applied optimization techniques to classroom management, analyzing student data to maximize learning outcomes and improve teaching strategies.

Skills

- **Data Analysis:** Python, SQL, R and Excel for data cleaning, manipulation, and analysis.
- **Data Visualization:** Tableau, Power BI, ArcGIS and New Relic
- **Statistical Analysis:** Knowledge of hypothesis testing and regression
- **Soft Skills:** Problem-solving, attention to detail, and ability to communicate insights clearly to non-technical audiences.