



## OBJECTIVE

An analytical and detail-oriented aspiring **Data Scientist** with a strong foundation in **Python, SQL, Statistics, and Machine Learning**, and hands-on experience in data analysis, visualization, and predictive modeling. With an MSc in Financial Engineering (WQU) and leveraging a background in Physics to bring quantitative problem-solving and research skills. Seeking a challenging role to apply data-driven insights, build scalable models, and contribute to impactful decision-making while continuously learning and growing in the field of Data Science and AI.

## Education

### WORLD QUANT UNIVERSITY

- MSc in FINANCIAL ENGINEERING

### NALANDA UNIVERSITY

- BSc in PHYSICS HONS (NALANDA UNIVERSITY)

### Relevant Coursework

Programming (Python), Data Structures, SQL, Statistics, Machine Learning, Data Visualization, Project Management.

## SKILLS

**Programming & Languages :** Python, SQL, HTML

**Data Science Libraries:** Pandas, NumPy, Matplotlib, Seaborn, Plotly, Scikit-learn

**Databases:** MySQL, PostgreSQL, SQLite, SQL Server (SSMS), AWS(Basic)

**Tools & Platforms:** Power BI, Excel, Git/GitHub, Jupyter Notebook, VS Code, PyCharm

**Finance & Analytics:** Time Series Analysis, Risk Management

## PROJECTS

### Delhi Air Quality Prediction



<https://delhiairquality.streamlit.app/>

Developed a Streamlit web app to visualize and forecast Delhi's air quality using time series analysis. Built interactive dashboards with Plotly for PM2.5 trends and seasonal insights. Enabled data-driven predictions.

### Buenos Aires Real Estate Analysis



[suraj931214-buenos-aires-real-estate-analysis.streamlit.app](https://suraj931214-buenos-aires-real-estate-analysis.streamlit.app)

Cleaned and analyzed property data to uncover pricing patterns by location and property type. Built visual dashboards with Seaborn/Matplotlib for rent vs sale trends. Extracted key insights to understand market dynamics and investment opportunities.

**Other Projects:** Movie Recommendation system, Census-Income prediction, Covid-19 Data Analysis, Walmart Sales Forecasting, NLP(web app and window app) etc.

## CERTIFICATES

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| • <b>Machine Learning Completion</b><br>BY INTELLIPAATH | 17-Dec 2024 |
| • <b>MS SQL Server Completion</b><br>BY INTELLIPAATH    | 16-Dec 2024 |
| • <b>PYTHON Completion</b><br>BY INTELLIPAATH           | 16-Dec 2024 |