

Arshi Bansal

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Projects

Stock Market Analysis | *Web based app, Python3 and its Libraries*

Oct 2025 - Dec 2025

- Developed an interactive stock market analytics and forecasting dashboard for real-time and historical financial data analysis.
- Implemented dynamic data ingestion via APIs, advanced visualizations, machine learning and deep learning models, and NLP-based news sentiment analysis to generate actionable insights.
- Utilized Python and its ecosystem (Streamlit, Pandas, NumPy, Plotly, Scikit-learn, TensorFlow, Prophet, XGBoost) to build a scalable, end-to-end financial decision-support system.
- GitHub Repository Link: https://github.com/ArshiBansal/Stocks_Analysis

Real Estate Analysis | *Power BI*

Oct 2025 – Nov 2025

- Designed an interactive Real Estate Sales Analysis dashboard to analyze property transactions across towns, years, and property types using dynamic filters and KPIs.
- Implemented visual analytics to track total and average sales amount, number of sales, sales trends over years, town-wise performance, and assessed value vs sale value relationships.
- Provided detailed breakdowns by property type (Single Family, Condo, Multi-Family) and temporal analysis by monthly and yearly sales distributions for better market understanding.
- Enabled data-driven insights for real estate decision-making, helping identify top-performing towns, sales patterns, and property demand trends through intuitive and interactive visualizations.
- GitHub Repository Link: https://github.com/ArshiBansal/Real_Estates_Analysis

Cyber Crime | *Python and its Libraries*

Feb 2025 – March 2025

- An interactive Python-based dashboard using libraries such as NumPy, Pandas, Matplotlib, and Seaborn to uncover insights into cybercrime incidents in the UK.
- Through detailed visualizations, the analysis revealed patterns in the causes of cybercrime and highlighted the preventive measures undertaken.
- The dashboard presents data-driven insights in a clear and interactive format. Overall, it offers a comprehensive view of cybercrime trends and their underlying factors.
- GitHub Repository Link: https://github.com/ArshiBansal/Cyber_Crime_Analysis

Certifications

Master Generative AI and Generative AI tools

August 2025

Udemy — Certificate Link

Python for Data Science

April 2025

Infosys SpringBoard — Certificate Link

Technical Skills

Languages: C/C++, Java, Python, JavaScript, PHP

Databases: MYSQL, PostgreSQL

Tools and Platforms: Git, GitHub, VS Code, Jupyter Notebook, Tableau, Power BI, Excel

Frameworks: Pandas, Numpy, Seaborn, Matplotlib, Plotly, Sckit-Learn, Tensorflow, SHAP, Streamlit.

Skills: Data Structures and Algorithms, Python based web applications

Education

Lovely Professional University Punjab

2023 – 2027

Computer Science and Engineering — CGPA: 7.91

Phagwara, Punjab

Innocent Hearts School, Gmt Punjab

2022 – 2023

12th with Science — Percentage: 89.8

Jalandhar, Punjab

Cambridge International School for Girls, Punjab

2016 – 2017

10th — Percentage: 95

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