ADITYA SHAH

Data Analyst | Statistician

adhrutshah@gmail.com | +1 5197813143 | Toronto, ON

GitHub | Linkedin

PROFILE SUMMARY

Data-driven professional with expertise in **Trend Analysis, predictive modeling, data visualization, and statistical analysis**, leveraging tools like Python, SQL, and Power BI to deliver actionable insights. Proven track record in analytics, project management, and strategic decision-making across diverse industries.
Self-interest: Capital Markets (Stocks, SIPs, Mutual Funds)

KEY HIGHLIGHTS OF RESUME

Business Analyst | Bhaichung Bhutia Football School   Ahmedabad, India | Dec 2021 - Apr 2022

- Uncovering trends to inform strategic decisions across operations **improving the team efficiency by 25%.**
- Developed **interactive dashboards in Tableau** to present monthly insights to senior management, aligning data with club goals.
- **Maintained strong client relationships** through proactive communication.

Climate Trend Analysis and Weather Prediction | Link   *Python, Power BI, Scikit-learn*
George Brown College (GBC), Toronto

- **Showcased one of my best work by employing critical thinking and problem-solving** to navigate project complexities; updated link will be available by the end of next week.

SKILLS

Programming Languages:	Python, SQL, SAS
Visualization Tools:	Tableau, Power BI
Database Management:	MySQL, Microsoft Access
Tools / Platforms:	Advanced Excel, Jupyter Notebook, VS Code, JIRA, Github
Machine Learning Models:	Linear & Logistic Regression, Natural Language Processing, Decision Trees, Random Forest Trees, DBSCAN, Neural Networks
Statistical Concepts:	**Hypothesis Testing**, **ANOVA** (One-way, Multifactor, Assumptions and Conditions, Multiple Comparisons), **Confidence Intervals, Pooled t-test, Paired t-tests, One-sample & Two-sample t-tests**, **Calculus** (Differentiation and Integration), **Probability**

EXPERIENCE

Business Analyst | Bhaichung Bhutia Football School   Ahmedabad, India | Dec 2021 - Apr 2022

- **Performed descriptive and prescriptive analytics** on comprehensive club data, uncovering trends to inform strategic decisions across operations **improving the team efficiency by 25%.**
- Developed **interactive dashboards in Tableau** to present monthly insights to senior management, aligning data with club goals.
- Provided monthly insights on profit opportunities and key focus areas, supporting regional business objectives.
- **Maintained strong client relationships** through proactive communication, addressing issues to ensure alignment with expectations.
- Coordinated 3+ club events, enhancing fan engagement and ensuring successful execution.

Project Manager | Budventure Technologies   Ahmedabad, India | May 2022 - Sept 2022

- **Led a team of 3-5 developers** across five projects, managing two directly and ensuring alignment with strategic goals.
- Streamlined cross-functional collaboration using Jira and Google Docs, improving **stakeholder and non-technical communication.**
- **Delivered two major projects ahead of schedule by one sprint (2 weeks)**, enhancing the company's reputation for timely delivery.
- Presented optimized reports to stakeholders, supporting faster, data-driven decisions and efficient project oversight.

PROJECTS

Climate Trend Analysis and Weather Prediction | [Link](#)   *Python, Power BI Scikit-learn*
George Brown College (GBC), Toronto

- **Extracted and cleaned weather data** from WeatherStats, ensuring accuracy for trend analysis and temperature prediction.
- **Conducted trend analysis and optimized predictive models** such as Ridge Regression, Random Forest Regression, and Logistic Regression.
- Identified seasonal patterns, including predicting the likely two-week period when Toronto will experience its first snowfall, with plans to visualize these insights through a Power BI dashboard.
- **Demonstrated critical thinking and problem-solving** to navigate project complexities and deliver actionable insights; updates and the final link will be available by the end of next week.

Customer Purchase Analysis and Prediction | [Link](#)   *Python, Pandas, Matplotlib, Scikit-learn*
George Brown College (GBC), Toronto

- Developed predictive models to forecast customer purchase behavior and spending patterns using **logistic regression and decision tree algorithms**, achieving **81% accuracy with balanced precision and recall scores.**
- **Analyzed 2,000+ records**, exploring demographics and spending patterns using Python to generate actionable insights for targeted marketing strategies.
- Preprocessed data by cleaning, handling outliers, addressing multicollinearity, and applying a 70/30 train-test split with one-hot encoding, optimizing model performance through cross-validation and ROC-AUC analysis.

EDUCATION

Analytics for Business Decision Making   Toronto, Canada
George Brown College   May 2024 - Dec 2024
GPA: 4 | Dean's Honor List

Project Management   Kitchener, Canada
Conestoga College   May 2023 - Dec 2023
GPA: 3.67