

PIYUSH GALA

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Summary

Motivated B.Sc. IT graduate with a strong foundation in data science and machine learning, complemented by hands-on experience in statistical analysis and Python-based automation. Proficient in leveraging tools like Pandas, NumPy, and Scikit-learn to extract actionable insights from complex datasets. Eager to contribute to a forward-thinking organization by applying my technical skills and continuous learning mindset.

Education

KES Shroff College | Mumbai, India

2022-2025

- Bachelor of Science(BSc) in Information Technology | **CGPA: 9.44**

J. K. Shah Junior College | Bhavnagar, India

2020-2022

- HSC (Class XII) | **82%**

Technical Skills

Languages: Python, Java (basic), JavaScript (basic)

Databases: MYSQL

API Development: Flask

Libraries & Tools: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, Jupyter-Notebook, Excel

Concepts: Statistics, Data Cleaning, Data Analysis, Data Visualization, A/B Testing

Soft Skills: Business Communication

Projects

1. Health Insurance Premium Prediction

- Built a machine learning model using **XGBoost Regressor** to predict annual health insurance premiums based on user demographics and medical history.
- Handled missing values, encoded categorical features and scaled numerical features; performed EDA using heatmaps, boxplots, and distribution plots to identify patterns and outliers.
- Reduced residuals from **80% to 15%** by error analysis to improve overall model's performance.
- Achieved **99.81% accuracy**, indicating an excellent fit between predicted and actual premium values.
- Deployed the model with Streamlit, allowing users to input data and receive instant premium predictions via a web interface.

2. AtliQo Bank – Credit Card Customer Analysis

- Analyzed transactional data of **10,000+ customers** using Python, Pandas, and NumPy to uncover spending patterns and customer segments.
- Applied Central Limit Theorem (CLT) to validate insights across customer samples with a **95% confidence level**.
- Designed A/B testing experiments comparing 2 customer segments, resulting in a **15%** higher predicted response rate for the target segment.
- Created over **10** visuals using Matplotlib and Seaborn to present findings clearly to stakeholders.
- Helped reduce the marketing audience by **40%**, leading to a more focused campaign strategy.
- Project insights contributed to a projected **20–25%** improvement in campaign conversion rates.

3. Microsoft Rewards Search Automation

- Automated **30+** browser search tasks daily using Python, BeautifulSoup, and PyAutoGUI to complete Microsoft Rewards requirements.
 - Reduced manual effort by over **90%**, saving **~10-12 minutes** per day or **6 hours** per month.
 - Achieved 100% daily task completion, generating an average of **5,000+** reward points/month.
 - Designed script to rotate search queries from **100+ scraped headlines**, simulating human behavior and avoiding detection.
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Certifications

[Statistics](#) | [SQL](#) | [Advance Excel](#) | [Prompt Engineering](#)

Achievements

Earned a **5★** in **SQL** on HackerRank, showcasing strong command over data querying and database operations.
