

Prabhjot Singh

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SUMMARY

Data Analytics student (4.0 GPA) with internship experience in database management, reporting, and data visualization. Skilled at documenting processes, cleaning datasets, and developing dashboards to improve organizational reporting and decision-making. Experienced in collaborating across teams and providing training/support in data tools.

EDUCATION

BS in Data Analytics, Marymount University, Arlington, VA

(Expected - May 2027)

- GPA: 4.0/4.0 | Dean's List: 2023, 2024, 2025

PROJECTS

Customer Credit Risk Optimization

(May 2025 – Aug 2025)

- Developed and tuned **XGBoost model** to detect high-risk financial accounts with **84% accuracy**, strengthening risk identification and supporting credit decision-making.
- Applied **SHAP** and **LIME** to enhance transparency of model predictions, improving trust and interpretability for financial risk assessment teams.
- Built a **Streamlit ML pipeline** for real-time anomaly detection, **enabling instant flagging** of unusual account activity and interactive reporting for stakeholders.

Product Intelligence & KPI Modeling

(April 2025 - June 2025)

- Built a **SQL pipeline** to process 196K+ SaaS user sessions, **engineered KPIs (CTR, DAU, bounce rate)**, and uncovered 3 major UX drop-off points, informing retention-focused design changes.
- Projected a potential **15% CTR increase** by conducting **A/B testing in Python (T-test, Z-test)** to guide redesign initiatives.
- Performed **EDA with Pandas and Seaborn** to visualize user behavior and guide feature prioritization.

SKILLS

- Data Preparation & Documentation:** Data Collection, Cleaning, Validation, ETL, Process Documentation
- Visualization & Reporting:** Power BI (Reports, Dashboards, DAX), Tableau, Excel (Pivot Tables, Charts), Data Storytelling
- Programming & Data Tools:** SQL, Python (Pandas, Scikit-learn), R, Snowflake, AWS
- CRM & Data Systems:** SQL, Power BI, Tableau, Excel, Process Documentation, Data Quality
- Professional Skills:** Communication, Collaboration, Leadership, Problem-Solving

EXPERIENCE

Data Analyst Intern, Starbucks, Washington, DC

(May 2024 - Aug 2024)

- Optimized **SQL pipelines** using CTEs, indexing, joins to manage and track inventory data, **reducing stock discrepancies by 10%** and supporting future demand planning.
- Built **Excel pivot tables and interactive dashboards** in Power BI and Tableau, reducing reporting time by 20% across 10+ stores.
- Worked with business managers to deliver data driven recommendations through **Power BI dashboards** to improve operational strategy and decision-making.

Data Analyst Intern, Honey To Cocoa, Washington, DC

(Feb 2025 - May 2025)

- Conducted **market segmentation and exploratory data analysis** on product and engagement datasets, which led to a **boost in engagement by 15%**.
- Built **Power BI reports** and dashboards for product managers, leading to a **15% increase in customer engagement**.
- Prepared and documented analytics workflows to ensure reproducibility and stakeholder understanding.

Peer Tutor, Marymount University, Arlington, VA

(Aug 2024 - Present)

- Tutored over 60 students in Python, SQL, R, Excel, Tableau, and Power BI by **simplifying complex analytics concepts into clear explanations**, resulting in higher grades and stronger analytical skills.
- Assisted faculty with implementing **data cleaning and reporting exercises** in coursework, giving students hands-on experience with industry tools.