

Jibek Gupta

+1(202) 961-3129 | jibekgupta059@gmail.com | github.com/jibekgupta | linkedin.com/in/jibekgupta

SUMMARY

Aspiring Business Intelligence Analyst with a strong foundation in SQL, Data Warehousing, Data Modeling, and Power BI (DAX). Proven track record of translating complex datasets into story-driven visualizations that support strategic and operational efficiencies. Experienced in building automated data pipelines for 100k+ records to drive high-level business decisions and stakeholder engagement.

EDUCATION

Bachelor of Science in Computer Science

Howard University, Washington, DC

Aug 2022 – May 2026

CGPA: 3.77/4.0

Relevant Coursework: Databases, Applied Data Science, Probability & Statistics, Machine Learning, Cloud Computing, Data Structures & Algorithms

TECHNICAL SKILLS

Data & BI Tools: Power BI (DAX, KPIs, dashboards), PostgreSQL, MySQL

Analytics & Programming: SQL, Python (Pandas, NumPy), Excel (Pivot Tables, Lookups)

Data Concepts: Data modeling (foundational), ETL workflows, data validation, reporting

Visualization & Communication: Dashboard storytelling, stakeholder presentations

Other: Git, GitHub, Jupyter, Cloud(AWS)

RELEVANT EXPERIENCE

Data Analysis Research Assistant

Howard University, Quantitative Histories Lab

Aug 2024 – Present

Washington, DC

- Designed and deployed interactive BI dashboards to improve accessibility of socioeconomic data, increasing stakeholder engagement by 40%.
- Designed and automated ETL pipelines for ingestion and cleaning of 100,000+ U.S. Census records using Python, reducing manual processing time.
- Communicated key business insights to community organizations and policymakers to support large-scale research initiatives.
- Developed and maintained robust analytical systems to support longitudinal research spanning over a decade of data.

Data Science Research Assistant

University of Chicago, Data Science Institute

Jun 2025 – Aug 2025

Chicago, IL

- Collaborated with researchers to translate technical outputs into interpretable insights for non-technical leadership and stakeholders.
- Built a scalable analytics and retrieval pipeline using vector indexing to enable efficient search across complex, long-form text data.
- Analyzed and processed 183 multilingual legal documents to support data-driven decision-making regarding global policy access.
- Evaluated system performance and optimized response latency, ensuring high-quality data delivery for end-users.

PROJECTS

Customer Purchase Behavior Analytics

Python, SQL (PostgreSQL), Power BI

- Performed extensive data cleaning, validation, and feature engineering on 3,900+ customer transactions using Python.
- Developed complex SQL queries using joins, aggregations, and subqueries to evaluate revenue, average order value, and subscription behavior.
- Built a Power BI reports and dashboard utilizing KPIs and slicers to visualize purchasing trends across demographics and product categories.
- Identified high-value customer segments to support data-driven pricing, marketing, and retention strategies for business stakeholders.

Retail Supply Chain Sales & Inventory Risk Analysis

Python, SQL, Power BI

- Analyzed 9,900+ retail order records over a four-year period to assess sales performance and inventory health.
- Conducted deep-dive analysis to identify key revenue drivers, discount impacts, and demand patterns across categories.
- Loaded transformed datasets into PostgreSQL and utilized SQL to compute critical metrics including profit margins and stockout risks.
- Generated actionable insights to support inventory optimization and assist in departmental operational decision-making.