

Dipankar Debnath

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👤 PROFESSIONAL SUMMARY

Data-driven professional with strong foundation in mathematics, statistical analysis, and programming. Proficient in Python, SQL, and Excel with proven ability to transform data into actionable insights and maintain accuracy in high-pressure environments.

⚙️ TECHNICAL SKILLS

Programming & Analysis: Python (Pandas, NumPy, Matplotlib), SQL, Excel (Pivot Tables, VLOOKUP, Power Query), Tableau, Power BI

Data Management: Data Cleaning, Transformation, Statistical Analysis, Trend Analysis, KPI Monitoring

🏢 PROFESSIONAL EXPERIENCE

Debajani Management & Development Inc.

Queens, NY

IT Support Specialist

May 2025 – Present

- Analyzed support ticket data to identify recurring issues; developed targeted training reducing repeat issues by 30%.
- Optimized equipment deployment with standardized imaging system, ensuring 100% operational readiness.

Shark Zone LLC

Aldie, VA

Co-Founder & Financial Data Analyst

Fall 2023 – April 2025

- Developed financial models and dashboards tracking revenue, expenses, and profitability for Amazon FBA/FBM operations generating \$300k+ annual revenue.
- Conducted market trend analysis using Python and SQL to optimize pricing and inventory management strategies.
- Automated financial reporting processes, reducing month-end close time by 40%.

NYPD Police Academy

Queens, NY

Administrative Assistant

May 2023 – August 2023

- Systematized data management for operational records, developing protocols ensuring data integrity and security.
- Executed high-content data entry with 99%+ accuracy in high-stakes environment with sensitive information.

Ark Life Veterinary

Brooklyn, NY

Data Analyst Intern

October 2022 – April 2023

- Developed automated KPI dashboards in Tableau/Power BI, achieving 15% reduction in patient wait times.
- Wrote and optimized SQL queries for recurring and ad-hoc reports supporting strategic decision-making.

Credit Suisse (Investment Banking)

New York, NY

Financial Representative (Intern)

January – September 2019

- Monitored proprietary trading platforms ensuring data integrity during critical market hours with 100% accuracy.
- Updated technical documentation for internal software, reducing support inquiries.

📁 TECHNICAL PROJECTS

Discord Price Tracker Bot — Python, Discord.py, Playwright, SQLite, Async Programming

- Developed automated Discord bot monitoring Walmart and Target prices with real-time alerts, supporting concurrent scraping of 5+ requests using asyncio and semaphores for optimal performance.
- Engineered web scraping system using Playwright and ScrapeOps API with location spoofing via cookies, enabling accurate price checks across multiple ZIP codes and store locations.
- Designed SQLite database schema with SQLAlchemy managing users, products, price history, and alert states; implemented smart alert logic preventing duplicate notifications while tracking price changes and availability.

Natural Language Query System — Python, MariaDB, NLP

- Developed full-stack application that interprets natural language questions using NLP techniques and automatically generates corresponding SQL queries for database interaction.
- Designed and optimized relational database schema, implementing strategic indexing and normalization that decreased query response time by 40%.
- Built intuitive web interface to visualize query results with interactive charts and tables, enabling non-technical users to perform complex data exploration independently.

Expense Tracker Application — Python, Matplotlib, SQLite

- Designed and built desktop application with full CRUD interface for managing personal financial transactions stored in normalized SQLite database.
- Implemented automated data analysis using Pandas to categorize spending, identify trends, anomalies, and monthly budget variances.
- Developed dynamic visualization dashboards with Matplotlib generating charts for expense breakdown by category and income vs. spending trends over time.

🎓 EDUCATION

SUNY Stony Brook University

Stony Brook, NY

Mathematics

May 2025

Relevant Coursework: Data Analysis, Statistical Laboratory

👥 LEADERSHIP & COMMUNITY INVOLVEMENT

Sigma Beta Rho @Stony Brook University

Stony Brook, NY

President

August 2022 – May 2023

- Managed annual budget and led implementation of digital collaboration tools (Slack, Trello), improving operational efficiency by 60%.