

Shubham Mishra

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Work Experience

Analyst, Strategic Maintenance Planning, JetBlue, Orlando, FL May 2026 – Present

- Developed modular **Python** analytics scripts across **VS Code** and **Databricks** to deploy a live frontend UI application in **Streamlit**; managed version control and collaborative branching via **Git** and **GitHub**.
- Ingested legacy database records into **Snowflake** cloud tables, leveraging **Snowflake AI** to parse domain terminology; utilized **PySpark** (`spark.table`) and **Custom SQL** to filter, clean, and uncluster messy task card and operational bustlog datasets.
- Conducted data research in **RStudio** and **Excel** to model a strict **75-day operational threshold** on `aircraft_master` flight logs, mathematically filtering parked fleet noise for live **Tableau Gantt charts**, urgency buckets, and compliance tracking.
- Automated manual workflows for weekly reporting pipelines; established standalone tracking framework using **Jira** and **Confluence Kanban boards** to manage sprints and development Epics.

Marketing Data Analyst, Community Dreams Foundation Jan 2025 – September 2025

- Engineered clear data structures for commercial teams by designing high-impact dashboards in **ThoughtSpot** and **Mode**, translating complex data streams into actionable business insights for Finance and Marketing.
- Proactively identified and automated manual reporting workflows using **Python** and **AI-driven tools**, reducing recurring reporting cycles by 40% while ensuring accuracy in performance metrics and ROI tracking.
- Acted as the guardian of commercial data integrity by writing clean, performant **SQL** queries to define and track cross-functional **KPIs**, ensuring every report shared with partners was trustworthy and actionable.

Software Engineer, VSLN International September 2025 – May 2025

- Led the end-to-end development of a mission-critical logistics application using **Flutter** and **Dart**, integrating real-time telemetry and analytics to improve visibility into supply chain metrics and drone delivery performance.
- Designed and deployed self-service in-app dashboards that simplified complex technical findings for non-technical stakeholders, enabling Customer Success teams to demonstrate the immediate value of instant delivery systems.
- Leveraged an efficiency-first mindset to automate data pipelines and adopt new **AI tools** for surfacing trends, ensuring that decision-makers had access to real-time, high-integrity data to move the business forward daily.

UX Designer & GIS Engineer, GLOB-S Research Lab, Boston, MA Jan 2024 – Jan 2025

- Revolutionized spatial insights by building intuitive visualization tools for regional logistics, utilizing **ArcGIS** and **Spatial SQL** to assess the feasibility of resilient global supply chain routes.
- Partnered directly with Product and Data teams to identify gaps in existing insights, proactively building and deploying data solutions that improved the tracking of equitable access goals across diverse geographies.

Business Intelligence Analyst, Spinnaker Analytics, Boston, MA May 2024 – Aug 2024

- Served as the analytical engine for four major departments, building advanced **SQL** queries to navigate complex databases and surface mission-critical performance trends for Finance and Customer Success teams.
- Simplified complex technical findings into compelling narratives for executive-level presentations, demonstrating a keen business sense by linking data performance directly to the company's bottom line.
- Experimented with **AI** and automation to redefine traditional analytics workflows, implementing self-service **BI tools** that empowered non-technical users to access and interpret registration and market data.

Data Analyst Intern, Croptix, State College, PA Jun 2022 – Aug 2022

- Audited and validated complex data sets to ensure the highest standards of **data integrity**, proactively filling insight gaps by building automated tools for performance tracking and inventory visibility.
- Communicated actionable insights to cross-functional partners, providing the data needed to track and achieve operational objectives within a fast-paced, high-visibility environment.

Data Analyst Intern, Intelligent Direct, Boston, MA May 2021 – Aug 2021

- Developed a proven track record of translating complex business questions into precise **SQL** queries, supporting the design of self-service tools for regional logistics and distribution networks.
- Maintained an efficiency-obsessed mindset, using advanced **Excel** and **QGIS** to automate manual data entry and visualization tasks for commercial and logistics teams.

Education

- M.S. in Business Analytics** from **Boston University**, Boston, Massachusetts, USA **\$18,000 Merit Scholarship**
- B.S. in Data Science** from **Pennsylvania State University**, State College, Pennsylvania, USA **Dean's List**

Publications

- **Mention in Newsletter for Extraordinary Success**
Pennsylvania State University
<https://www.psu.edu/news/academics/story/intern-interprets-big-data-and-builds-entrepreneurial-skills>
- **GLOB-S Research Lab GIS Map**
Boston University
<https://globslab.org/on-going-research-projects/>
- **DC Urban Intelligence**
<https://dc-urban-intelligence.netlify.app/>