Anoushka Hazari
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SUMMARY

A Master's graduate in Data Analytics from Northeastern University with engineering and applied statistics expertise. I've collaborated with cross-functional teams and founders to optimize data pipelines, develop analytical reporting, and evaluate metrics across nonprofit, academic, and aerospace technology initiatives. By transforming complex datasets into actionable intelligence, I've enabled evidence-based strategies in public health, environmental science, and space systems analytics. I specialize in translating technical analyses into executive insights and leverage data science to enhance organizational transparency, efficiency, and impact, while actively pursuing AI-focused projects to stay aligned with emerging technologies.

WORK EXPERIENCE

Data Analyst — September 2024 – May 2025
One Community Global ☯ — California, USA

- Designed and built a dynamic PR Review Team Dashboard in Figma and Tableau, improving team decision-making by 30% and streamlining the promotion tracking process.
- Automated notification workflows using Python and Slack API, cutting down manual tasks by 50% and enhancing communication efficiency.
- Developed Python scripts integrated with Google Sheets, reducing data entry errors by 40% and improving PR management.
- Currently managing the PR Review Dashboard project, assigning tasks, and collaborating with frontend, backend, and DevOps teams to create real-time analytics using React, Node.js, GitHub APIs, and Tableau.

Research & Data Analytics — November 2024 – March 2025
Massachusetts Institute Of Technology (MIT) — Boston, USA

- Assisted in the design and development of an automated Python pipeline to extract hourly soil moisture and temperature data from Kansas Mesonet using a REST API.
- Worked directly with the Founder to define extraction logic, manage API limitations, and ensure robust data retrieval across multiple stations and time periods.
- Applied advanced Python techniques to parse, transform, and structure volumetric water content (VWC) and soil temperature data from depths ranging from 5 cm to 120 cm.
- Communicated with the project lead to clarify missing data variables and tailor the script for flexibility and future filtering requirements.
- Participated in data engineering discussions to align automated workflows with long-term goals of integrating multiple state-level environmental monitoring networks.

Research Assistant — March 2024 - January 2025
Northeastern University (Crime Prevention Lab) — Boston, USA

- Conducted geospatial analysis using ArcGIS Pro to identify overdose risk patterns in Paterson, NJ, supporting data-driven prevention strategies.
- Performed data mining and statistical analysis using R and Excel, optimizing datasets for research on public health interventions.
- Authored detailed technical reports and presented findings to stakeholders, translating complex analyses into actionable insights.
- Synthesized academic literature through systematic reviews, evaluating evidence for opioid crisis research.

PROJECTS

Sneaker Resale Market Study at Arbit.Inc — April 2024

- Utilized XGBoost and machine learning libraries (Pandas, Scikit-learn, NumPy) for predictive modeling, building accurate sales forecasting models in Python. Integrated with Tableau for dynamic dashboards and Snowflake for scalable data storage, enhancing market trend analysis, pricing strategies, and business decision-making.

Chronic Disease Risk Identifier — March 2023

- Identified key chronic illness risk factors using CDC's BRFSS data and ML classification, enabling targeted health interventions.

EV Market Trend Analyzer — September 2023

- Analyzed EV adoption trends using big data techniques, achieving 86.94% model accuracy and revealing COVID-19's market impact.

SKILLS

Data Analytics & Visualization: SQL, Python (Pandas, NumPy), Excel, R, Tableau, Power BI.
Statistical Analysis & ML: A/B Testing, Regression, Time-Series Forecasting, Scikit-learn, Machine Learning.
Big Data & Cloud: PySpark, Hadoop, AWS (S3, Athena, Lambda).

EDUCATION

Northeastern University — September 2022 – May 2024
Master of Professional Studies in Data Analytics — Boston, USA

Vidyalankar Institute of Technology — June 2017 – August 2021
Bachelor of Engineering, Electronics and Telecommunication — Mumbai, India