

# Shriya Dikshith

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## Education

Northeastern University, *Master's in Information Systems*, Boston, USA

Dec. 2023

- Coursework: Data Management and Database Design, UI/UX, Web Design, Data Science Engineering Methods, Data Structures

## Technical Skills

<b>Programming languages</b>	: Python, SQL, R, Java, HTML5, CSS, JavaScript, MATLAB
<b>Databases</b>	: MS SQL, Vertica, Snowflake, Oracle, MongoDB, NoSQL, Big query, PostgreSQL, GCP
<b>Libraries and Packages</b>	: Keras, TensorFlow, PyTorch, Flask, PPTx, NumPy, SciKit Learn, lambda functions, PySpark
<b>Visualizations</b>	: Tableau, Power BI, Excel, Informatica, Alteryx, Spark, Looker, ggplot, Plotly,
<b>Other</b>	: GIT, dbt, Collaborative, Ownership, ETL, Node.js, Angular.js, DAX, Cloud platforms, OLAP, Agile Methodologies, SQL Server, AWS, PowerShell Scripting, debugging, Mac, Windows

## Work Experience

Amazon, Boston, MA, USA, *Data Associate*

Jul. 2024 – Present

- Thrived in a dynamic, fast-paced environment by effectively supporting cross-functional teams, ensuring alignment with project goals and business objectives through targeted training, meticulous project management, and rigorous quality reviews
- Enhanced quality by conducting thorough reviews, proofreading, and delivering training to improve team performance

Mimecast, Lexington, MA, USA, *Python Engineer intern*

Jan. 2023 – Aug. 2023

- Developed and integrated **Python REST APIs** for a third-party payment gateway, facilitating seamless payment processing for thousands of users daily. Reduced payment failures by **15%** through error-handling improvements and real-time transaction monitoring
- Collaborated with data engineers and product owners to manage including the development and optimization of dbt models and CI/CD pipelines in Snowflake, reducing ELT runtime from **12 hours** to under **20 minutes**
- Implemented **JWT (JSON Web Token)** authentication in Python REST APIs to secure user data and transactions, enhancing the API's security layer and protecting against unauthorized access, which reduced security incidents by **40%**
- Conducted comprehensive data analyses and presented insights to key stakeholders, including the identification of **10** high-impact workbooks, leading to improved data usage and strategic decision-making

Northeastern University, Boston, USA, *Business Analyst*

Aug. 2022 – Jan. 2023

- Automated Snowflake ETL/ELT processes using **Alteryx Designer**, dbt and **Informatica Cloud**, achieving an 80% efficiency increase, showcasing skills in database scalability and performance enhancement

HP Inc., Bangalore, India, *Python Engineer*

Jan. 2020 – Jan. 2022

- Built Python scripts to automate daily and weekly sales reporting, reducing manual reporting time by **60%**, which enabled the finance team to focus on strategic analysis
- Built RESTful APIs to manage real-time inventory updates across multiple warehouses, enabling inventory synchronization with **95% accuracy** and reducing stock discrepancies by **30%**
- Pioneered the creation of a Python **ETL data pipeline** in **Azure Databricks**, achieving a 90% automation rate for weekly data loads, exemplifying leadership in big data processing and database management excellence
- Delivered end-to-end analytics, from problem statement to model deployment, and created a **Tableau dashboard**, reducing customer support issues by 25% and earning recognition for strategic insights in the Weak Signals project

## Academic Projects

Building a Robust API | *JSON, Elastic Search, Redis, Springboot, Postman, MongoDB, VSCode*

- Implemented a REST API for structured JSON data with CRUD, merge, and delete functionalities, ensuring data validation and providing a detailed JSON schema for the use case

Hotel Booking Website | *HTML, SCSS, Bootstrap, jQuery, React JS, NodeJS, Express JS, MongoDB, VSCode*

- Spearheaded the development of a cutting-edge hotel and restaurant booking website, utilizing HTML, SCSS, Bootstrap, jQuery, React JS, NodeJS, and Express JS. Integrated MongoDB as the backend database, facilitating seamless accessibility on Heroku