

Tegveer Ghura

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Education

Georgetown University - Graduate School of Arts & Sciences

May 2024

Master of Science, Data Science & Analytics

GPA 4.00

Relevant Courses: [Fundamentals of Data Science](#), [Probabilistic Modeling](#), [Advanced Data Visualization](#), Database Systems and SQL, [Statistical Learning](#), [Time Series Modeling](#), [Big Data & Cloud Computing](#), Blockchain, [Ensembles and MLOps](#)

Boston University – College of Arts & Sciences

May 2021

Bachelor of Arts, Economics (Minors in Computer Science, Statistical Methods, and Business Administration)

GPA 3.67

Relevant Courses: Data Structures, [Deep Learning](#), Analysis of Variance, Linear Algebra, [Natural Language Processing](#)

Work Experience

Graduate Teaching Assistant

Washington, DC

Georgetown University

Aug. 2022 – Dec. 2023

- Evaluated student performance and **provided feedback on programming assignments** to facilitate student growth and development, leading to improved average assignment grades.
- Conducted weekly office hours to provide individualized assistance to **over 80 students**, resulting in better understanding and retention of **Deep Learning, Reinforcement Learning, and Computer Vision** concepts.
- Nominated for the **Graduate Student Teaching Assistant Award** by Dr. James Hickman (ANLY-590 Deep Learning and ANLY-591 Reinforcement Learning). Served as **Lead Teaching Assistant** for ANLY-590 in Fall '23.

Data Science Intern (Remote)

New York, NY

Ploomber Inc.

May 2023 – Aug. 2023

- Documented **TrinoDB support** and **Jupyter SQL magic commands** in the core **JupyterSQL package**, resulting in a more user-friendly and accessible experience for the community.
- Initiated the creation of comprehensive SQL tutorials in a free “End-to-End Data Apps with JupyterSQL” [course](#), which was featured in [Data Elixir’s Issue #455](#) and **increased platform users by 5x** in July and August since May.
- Added tests and integrations for **Native DuckDB support** in the core JupyterSQL package, leading to a **10% reduction** in the time required to retrieve a dataset with 1 million rows and 100 columns.

Product Data Engineering Intern (Remote)

Seattle, WA

techClik LLC

May 2023 – Aug. 2023

- Implemented **heuristic audio similarity algorithms** in Python, **reducing time** to compare user and original recordings **by 40%** while also increasing the reliability of accuracy measures.
- Tested a suite of 200 YouTube clips on the algorithms for best average accuracy measures, **reducing similarity measure outliers by 35%**.
- Migrated Python package dependencies of the minimum viable product to a **Flutter mobile application** for consumer testing, yielding enhanced feedback on usability and performance.

Finance Associate (Commissions Analyst)

Sacramento, CA

MetricStream, Inc.

Jun. 2021 – Apr. 2022

- Determined sales commissions amounting **+1.5M USD** for **90 local and global sales associates** using MS Excel.
- Authenticated **136 diverse vendors** (MWBES/SDBs/DBEs) **out of 2800 vendors** by harvesting their data as part of MetricStream’s ESG initiative.
- Prepared sales letters for incoming sales recruits and **worked efficiently with cross-functional teams**, including Sales Operations, Human Resources, and Accounting, to obtain and validate data on global renewal opportunities.

Publication

DEFIYIELD: Exploitation of Open Blockchain Platforms

Panama City, Panamá

- Published a [paper](#) that was presented at the Americas Conference on Information Systems 2023 in Panama City, Panamá.
- Trained **Logistic Regression and Random Forest** classification models on the [REKT Database](#) to predict an incoming crypto token as an exit scam or an exploit, achieving **test accuracies and weighted F1 scores exceeding 90%**.
- Discovered **statistically significant monthly attack patterns** and most important predictors, the Log of Funds Lost, Chain or Platform attacked, and Log of Funds Returned, to aid in the **prevention of cryptocurrency scams**.

Skills & Awards

Skills – R | Python | Pandas | NumPy | TensorFlow | PyTorch | Spark | AWS | Docker | SQL | NoSQL | REST API’s | Flask | Anaconda | Linux | Bash | Git GitHub | Tableau | STATA SAS | Predictive Modeling | Inferential Modeling

Awards – Georgetown University Returning Student [Scholarship](#), Boston University Club Sports [Top Male Athlete](#) 2018-2019