

Reet Yogesh Kothari

Email: reetkothari0512@gmail.com

Phone: (206) 778 4497

LinkedIn: [linkedin.com/in/reet-yk/](https://www.linkedin.com/in/reet-yk/)

Portfolio: reet0512.github.io

Github: github.com/reet0512

EDUCATION

M.S. in Computer Science
Dartmouth College, Hanover NH

June 2026

GPA: 4.0

B.S. in Computer Science, Minor in Business Administration
University of Washington, Seattle WA

March 2024

GPA: 3.69

Courses: IBM DevOps, Cloud, and Agile Foundations Specialization

EXPERIENCES

Data Engineer Volunteer

Develop for Good

Seattle, WA

October 2023– February 2024

- Architected ETL pipelines to normalize database schema, expediting access to strategic data by approximately 30% fewer queries.
- Established an efficient student reporting system through a Redshift data warehouse, enhancing teacher-student interaction.

Embedded Software Intern

Perasia Technologies LLC

Okemos, MI

April 2023– August 2023

- Trained an ECG heartbeat classifier for Arrhythmia detection using an Artificial Neural Network achieving 99.4% test accuracy.
- Improved R-peak detection by 10% through signal filters and performed heart rate variability analysis.
- Streamlined development by implementing a FastAPI on AWS Lambda to query data from the S3 buckets and DynamoDB.

Cybersecurity Research Intern

Siemens Technology and Services Pvt. Ltd.

Bangalore, India

July 2022 – September 2022

- Assimilated research papers and Siemens Intranet resources to explore exploits through firmware updates in SIMATIC controllers.
- Worked with the SIMATIC WinCC software to understand SCADA vulnerabilities.

AWARDS AND PROJECTS

Best Use of Data Award – NASA Space Apps Hackathon Seattle

Pandas, TensorFlow

- Interpreted DSCOVR's magnetic flux data to identify anomalies in solar wind patterns and predict future geomagnetic storms.
- Achieved 90% accuracy through a self-supervised model that laid the groundwork for more robust models.

Data Science Capstone: IPO Success Report

Pandas, Scikit-learn | [Link](#)

- Ideated a 58% ROI IPO investment strategy in a simulated environment using micro and macroeconomic features.
- Reduced risk exposure of a naïve investor by 87%, when using a 50% confidence interval on XGBoost models.
- Enhanced a 1005 IPO Nasdaq dataset using Yahoo Finance API and SEC filings, improving data quality by 40%.

Garbage Classifier

PyTorch | [Link](#)

- Trained a deep convoluted neural network with ResNeXt blocks to classify a 12-class garbage dataset for waste management.
- Scored an 88.7206% test accuracy and performed augmentations to predict custom user images.

Racial Justice

Dplyr, Shiny.R, GGPlot | [Link](#)

- Highlighted the overwhelming 33% and 42% fatal police shootings on nonbelligerent Black and Hispanic suspects since 2015.
- Leveraged COMPAS Recidivism Algorithm and juvenile arrests dataset to recognize patterns of racial injustice.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, C++, C, R

Software Development: AWS, Docker, Node.js, React, Vue, REST, GraphQL, Express, Socket.io, Github Actions

Database: MySQL, MongoDB, DynamoDB, Cassandra

Data Science: PyTorch, Tensorflow, Apache Spark, Tableau, Pandas, Scikit-Learn