Bhargav Iyer

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Objective

Looking to contribute, learn and grow in the Data Science field.

Academic Background

M.S., Computer Science (enrolled) Old Dominion University Jan. 2025 – Dec. 2026

- **Relevant Courses**: Intro to Data Science, Data Visualization, and Deep Learning

B.S., Computer Science Virginia Tech Aug. 2019 – May 2023

- **Major**: Data-centric computing
- **Relevant Courses**: Intro to Database Management, Intro to AI, Machine Learning, Machine Learning Capstone, Methods of Regression, Software Development and Data Structures, and Integrated Quantitative Science 1 & 2

Certification

Google Advanced Data Analytics Certificate Oct. 2024

PL-300 (Microsoft Certified: Power BI Data Analyst Associate) Currently Enrolled

Experience

Junior Software Developer, Analytical Services & Materials, Inc.,
Contractor at NASA Langley Research Center Sep. 2023 – Oct. 2024

Worked in a team that develops software to predict aircraft noise.

- Developed codes in Fortran, C++, and Python to support aircraft noise prediction.
- Tested codes in Linux and Windows
- Applied Interlanguage (communication between different languages) using bind(c)
- Developed bash scripts to determine if different code files are in correct distribution.
- Took Lead on creating unit tests, refined Json Parser that Parses Json Files and stores data in an SQLite Database.

Intern, Analytical Services & Materials, Inc.,
Contractor at Transportation Security Administration (TSA) May – Aug. 2022

Worked in a contract that analyzes the baggage handling systems at airports

- Worked with multiple files with different formats containing similar data.
- Created python script to automate cleaning of the baggage Handling data.
- Created codes to provide business with various charts/statistics.
- Added an VB Macro to enable customers to use the scripts.

Natural Language Processing (NLP) Intern, Department of Computer Science,
Old Dominion University **June – Sep. 2018**

- Used NLP to detect aggression based on person's speech.

Skills and Abilities

Programs

Python, SQL, R, Tableau, Excel, Pandas, Numpy, Matplotlib, Seaborn, Tensorflow, Pytorch, Excel VBA, Docker/Kubernetes

Skills

Machine Learning, Data Visualization, Feature Engineering, Regression, Computer Vision, Natural Language Processing, ANOVA, Hypothesis Testing,

Soft Skills

can communicate effectively, curious by nature. enthusiastic to learn, great leadership skills

Academic Projects

Heme AI

https://ritvikprabhu.github.io/HemeAI/

Used computer vision to predict blood cells within peripheral blood smears.

- Computer Vision (YOLOv8)
- Data Cleaning (Classifying what type of cells they are using Roboflow).
- Precision & Recall of 0.85
- Two parts: the first part is to predict whether blood cell image contains disease, and the second part is to diagnose the disease.

Mockify

doanlng/mockifydb

- Created HTML frontend for Mockify webpages.
- Created SQL Database to store the user input.
- Wrote a code to provide basic statistics of the user input.

HIV-1 and LTL

craineland/cmda4654_sp2022_team11_project: CMDA 4654 SP2022: Final Project by Team 11

- The goal of the project was to predict both HIV-1 protease and reverse transcriptase mutations to in-vitro susceptibility.
- Used R used to create regression models such as Lasso, Elastic Net, Adaptive Elastic Net, Ridge Regression, and Horseshoe.
- Using Linear regression to find relationship between persistent organic pollutants and leukocyte telomere lengths.

Recommendations

Available on request