

ISHANA VIKRAM SHINDE

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Education

George Mason University

August 2021 – May 2023

Master of Science in Computer Science (Specialization in Machine Learning) GPA : 3.89 /4.0

Fairfax, VA

Courses: Analysis Of Algorithms, Advanced Natural Language Processing, Machine Learning, Data Mining, Mining Massive Datasets, Component-Based Software Development, Software Architecture, and Design

Savitribai Phule Pune University

June 2016 – November 2020

Bachelor of Engineering in Computer Engineering GPA : 8.70 /10

Pune, IN

Courses: Artificial Intelligence and Robotics, Data Analytics, Human Computer Interface, Data Warehousing.

Technical Skills

Languages & Frameworks: Python, SQL, R, Java, C++, C, HTML, CSS, Javascript, Django, Flask, Selenium, Github, Hadoop - MapReduce, Tableau

Software & Cloud: Docker, Kubernetes, Jenkins, Springboot, Google Cloud, Microsoft Azure, AWS- EC2, IAM, RDS, S3

Libraries: Pandas, OpenCV, Scikit-Learn, Numpy, Matplotlib, Scipy, Pytorch, Tensorflow, Pyspark, Keras

Experience

George Mason University

August 2022 – Present

Graduate Teaching Assistant

Fairfax, VA

- Graduate Teaching Assistant for CS 110 Essentials of Computer Science and CS 483 Analysis of Algorithms.
- Conducted office hours every week and Evaluated home-works, assignments, and quizzes for 30+ students

Prifina

June 2022 – December 2022

Data Engineering Intern

San Francisco, CA

- Collaborated with the data and product planning team to develop data models for apps and produced data for the respective data models. Presented results weekly and reviewed code on Github.

Tools: Node.js, Rest API's, Git.

George Mason University

October 2021 – November 2022

Student Assistant

Fairfax, VA

- Assessed **geospatial** data to generate 30+ similarity-based features using the **universal sentence encoder** model for focal events. Generated features from existing data using **TF-IDF vectorization**.
- Developed and analyzed **machine learning models** across all phases of the development cycle including model building, training and testing, and tuning. Researched existing **data processing** and **machine learning approaches** and recommended possible solutions.

Tools: Python, Pandas, Numpy, Tensorflow, Scikit-learn, Scipy, Universal Sentence Encoder.

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June 2019 – September 2019

Cloud-Ops Intern

Pune, India

- Designed and proposed an **AI chat interface** for an internal automation process reducing **90% of the manual task handling**. **Devised Powershell automation scripts and performed task executions for the R&D Team**.
- 95% Reduction in the impact on the production system by testing positive and negative scenarios.

Tools: Python, C#, NodeJS, Windows Powershell, Microsoft Azure.

Projects

Demand Forecasting | *Pyspark, Facebook-Prophet, Regression Models*.

November 2022

- Analyzed time series models like Facebook-Prophet, and regression models like Decision Tree, Random Forest and Linear Regression to predict the unit sales for thousands of items sold at different Favorita stores located in Ecuador.

Something of a Painter Myself | *Python, TensorFlow, Keras, GAN's*.

September 2021

- Developed a GAN architecture that captures special characteristics of one image collection and translates into a new set of characteristics without any paired training examples.

Software Development | *Docker, Kubernetes, Rancher, AWS S3, EC2, RDS, Springboot, Jenkins*.

August 2021

- Implemented projects to gain a full stack developer experience, explored AWS services like S3, EC2, and IAM to create and host applications on AWS, containerizing and deploying those applications on a K8 cluster with Rancher to provide resiliency and scalability of the application.

INVARJAN | *Python, Django, Stanford CoreNLP, Custom OCR, TensorFlow, AWS (S3, Textract, Sagemaker)*. June 2019

- Implemented, published and authored the paper "Reinforcing Portfolio Management through Ensemble Learning" to develop a single platform that offers customer assistance in tax and investment planning services.