

ISHANA VIKRAM SHINDE

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Education

George Mason University

Aug. 2021 – May 2023

Master of Science in Computer Science **GPA : 4.0 /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 – Nov 2020

Bachelor of Engineering in Computer Engineering **GPA : 8.70 /10**

Pune, IN

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

Technical Skills

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

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

Experience

Prifina

June 2022 – Present

Data Engineering Intern

Remote

- Develop data model for Spotify API and generate mockup data and dynamic data fakers for the model.

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

George Mason University

Oct 2021 – Present

Student Assistant, Graduate Teaching Assistant

Fairfax, VA

- Handling **geo-spatial** data to generate 30+ similarity based features using the **universal sentence encoder** model for focal events. Generating features from existing data using **TF-IDF vectorization**.
- Develop **machine learning models** across all phases of the development cycle including model building, training and testing, and tuning.
- Research existing **data processing** and **machine learning approaches** and recommend possible solutions.
- Graduate Teaching Assistant for CS 110 Essentials of Computer Science

Tools: Python, Pandas, Numpy, Tensorflow, Scikit-learn, Scipy

Icertis

June 2019 – Sept 2019

Cloud-Ops Intern

Pune, India

- Designed and Developed an **AI chat interface** for an internal automation process reducing **90% of the manual task handling**. Developed 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

I'm 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 figuring out how these characteristics could be translated into another image collection all in the absence of any paired training examples.

Data Mining | Python, Decision Trees, KNN, K-Means, XG-Boost, Regression Models

August 2021

- Worked on a variety of Data Mining projects to master the fundamental concepts and ideas like - Movie Review Classification (Text Classification), IRIS Clustering and Image (MNIST) Clustering, Credit risk scoring for Loan Approval, and Movie Recommendation System.

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

August 2021

- Software Development 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 | JPython, Django, Stanford CoreNLP, Custom OCR, TensorFlow, AWS (S3, Textract, Sagemaker). June 2019

- Implemented and Published the paper "Reinforcing Portfolio Management through Ensemble Learning" as an academic research project to design and develop a single platform that offers customer assistance in tax and investment planning services.