

Ishana Shinde

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EDUCATION

Master of Science - Computer Science

GEORGE MASON UNIVERSITY

GPA: 4.0

Fairfax, VA | Expected Graduation 2023

Bachelor of Engineering - Computer Engineering

SAVITRIBAI PHULE PUNE UNIVERSITY

GPA: 8.7/10 First Class with Distinction

Pune, IN | Graduated Nov 2020

WORK EXPERIENCE

GEORGE MASON UNIVERSITY | STUDENT ASSISTANT FOR DATA SCIENCE PROJECT

Fairfax, VA | Present

- A machine learning project on predicting local gathering patterns using big data (i.e., data science for local communities).
- 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.
- This project is under Dr. Myeong Lee, Dr. Olga Gkoutouna, and Dr. Ron Mahabir.

TOOLS: PYTHON, MACHINE LEARNING MODELS

ICERTIS | CLOUD DEV-OPS INTERN

Pune, IN | June 2019 – Sept 2019

- Designed and Developed an **AI chat interface** for an internal automation process reducing **90% of the manual task handling**.
- Performed Sanity testing through automation.
- Developed **Powershell automation scripts** and performed task executions for the R&D Team.
- Created **Test Data**, worked on **Batch Execution of Automated Scripts**, and **Defect Handling**.

TOOLS: PYTHON, C#, NODEJS, WINDOWS POWERSHELL, MICROSOFT AZURE.

TECH SKILLS

Languages: Python, Java, C++, R, C, HTML, CSS, Javascript

Frameworks: Django, Flask

Libraries: Pandas, OpenCV, Scikit-Learn, Numpy, Matplotlib, Scipy, Neural Networks

Cloud Platforms: Google Cloud, Microsoft Azure, IBM Watson, AWS

PROJECTS

I'M SOMETHING OF A PAINTER MYSELF

PYTHON, TENSORFLOW - KERAS, GENERATIVE ADVERSARIAL

NEURAL NETWORK(GAN's).

To develop 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.

INVESTMENT PLANNING AND TAX AUTOMATION USING REINFORCEMENT LEARNING PYTHON, DJANGO, STANFORD CORENLP, CUSTOM OCR, TENSORFLOW, AWS (S3, TEXTTRACT, SAGEMAKER).

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.

HEART DISEASE IDENTIFICATION PYTHON, FLASK, PANDAS, NUMPY, SCIKIT-LEARN, UNITTEST, SELENIUM

ALGORITHM: RANDOM FOREST, NAIVE BAYES, K-MEANS.

Implemented a system that can efficiently discover the rules to predict the risk level of patients based on the given parameters about their health.