Maharsh Suryawala

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EDUCATION

School of Engineering and Applied Science (SEAS), Ahmedabad University (AU)
Ahmedabad, GJ
B.Tech in **Information and Communication Technology**   August 2016 — June 2020
Grade Point Average: 3.54/4.00
Cumulative Grade Point Average :   3.10/4.00

EXPERIENCE

Thomson Reuters   Ahmedabad, India
Associate Software Engineer   June 2020 — Present

- Designed and implemented a feature to automatically retrieve client association details from Australian Taxation Office to ONVIO.
- Currently working on a Thomson Reuters (Tax Accounting) product - ONVIO.

Tech Intern   December 2019 — May 2020

- Automated DevOps Artifact Migration from one artifactory instance to another, along with various package filtering options using PowerShell.
- Automated Token-Rotation from generating a new token to updating the tokens at various service endpoints, variable groups, and builds; using JFrog-REST API, Azure DevOps REST API, and PowerShell.

Fusion Informatics Limited   Ahmedabad, India
Machine Learning Intern   May 2019 — July 2019

- The internship consisted of making a user-interactive tool that takes food images as an input and provides the corresponding nutritional and caloric information as output.

P & K Private Limited   Ahmedabad, India
UI/UX Intern   May 2017 — June 2017

- The internship consisted of making wire-frames, automation models, designing web themes, prototyping and testing for various websites.

PROJECTS

Predict Diseases From Symptoms   January 2020 — March 2020
Skills Used: Python, Jupyter Notebook, NetworkX, Scikit-Learn

A Disease-Symptoms Network and a system that predicts diseases from symptoms using a decision tree classifier.

Big Data As A Service in Multiplayer Online Survival Games August 2019 — December 2019
Skills Used: Hadoop, REST, Apache Spark, Python, Apache HBase, Overwolf

A distributed system that provides a service to store, retrieve, and analyse the game data of popular multiplayer online survival games such as CS: GO, PUBG, Fortnite, etc.

Face Detection And Facial Expression Recognition   August 2019 — December 2019
Skills Used: Python, Jupyter Notebook, Keras, TensorFlow, OpenCV, Scikit-Learn

A systematic comparison of different machine learning & deep learning classification approaches applied to the problem of fully automatic recognition of Facial Expressions.

Heart Disease Risk Prediction   August 2019 — October 2019
Skills Used: R, R Notebook

A system that predicts the risk of heart diseases in patients using information such as chest pain, cholesterol, Thalassemia, Exercise Induced Angina, ECG, etc.

Food Image Recognition & Nutrition Visualization
January 2019 — April 2019

Skills Used: Python, Jupyter Notebook, Flask, Keras, TensorFlow, OpenCV, Scikit-Learn

A system that takes food images as an input, recognizes the food automatically and gives the nutritional-facts as an output.

Microprocessor Without Interlocked Pipeline Stages
September 2017 — December 2017

Skills Used: Verilog, Xilinx ISE

RISC based 8-bits five stage pipelined processor, operating at 579.67 MHz clock frequency with 19 I/O pins and 28 instructions having 5 Addressing formats. Tested on Xilinx Artix-7 FPGA.

POSITIONS OF RESPONSIBILITY

Volunteer, Ahmedabad University
October 2019 — December 2019
The Seventh International Conference on Big-Data Analytics 2019

Undergraduate Teaching Assistant, Ahmedabad University
August 2019 — December 2019
Course: Data Science

Undergraduate Teaching Assistant, Ahmedabad University
December 2018 — January 2019
Course: Machines, Mechanisms & Automatons

Student MITR as a part of Circle Of Care Initiative
January 2018 — December 2018
The Peer Support System at Ahmedabad University

Volunteer, Ahmedabad University
June 2018
Faculty Development Programme on "Advanced 5G Wireless Communications: Performance Analysis and Monte-Carlo Simulations"

Lead Graphic Design Coordinator
January 2017 — December 2018
Event Organising Team, School of Engineering And Applied Science

CO-CURRICULAR ACTIVITIES

- ***Winner*** in Ingenious Hackathon, Ingenium - 2020 (Technical Festival, SEAS).
- Certifications:
  1) Algorithms Design And Analysis (Stanford Online)
  2) Algorithms Design And Analysis, Part-2 (Stanford Online)
  3) Statistical Learning; with distinction (Stanford Online)
  4) Machine Learning A-Z: Hands on Python and R in Data Science (Udemy)
  5) Deep Learning A-Z: Hands on Artificial Neural Networks (Udemy)
  6) Blockchain A-Z: Learn How To Build Your First Block-chain (Udemy)
  7) Python Programming Track (DataCamp)

EXTRA-CURRICULAR ACTIVITIES

- Indian Group Singing (Runners Up): Youth Festival, Ahmedabad University (2016-2017).
- Lead guitarist and the founding member of Infinity Band at the School of Engineering and Applied Science, Ahmedabad University.
- Performed an opening act for The Local Train Band on 20th March, 2018 and Kenny Sebastian on 20th March, 2019.

ADDITIONAL LINKS

- 👤 Personal Portfolio