Maharsh Suryawala

Ahmedabad, GJ, India · ☎ (+91) 95580 52021

✉ maharshalkeshsuryawala@gmail.com

in LinkedIn · ⊙ GitHub

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 International Services Private Limited — Ahmedabad, India
Associate Software Engineer — June 2020 — Present

- Currently working on existing Thomson Reuters (Tax & Accounting) product - Onvio.

Tech Intern — December 2019 — May 2020

- Automated DevOps Artifact Migration and Token-Rotation in JFrog-Artifactory.

    Worked in a cross-functional agile environment to deliver innovative high-quality software.

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.

EasyHire — Ahmedabad, India
Machine Learning Intern — May 2018 — July 2018

- The internship consisted of making a Natural Language Processing based model that provides the university students with their plausible work fields by analyzing their past contributions, coursework, project work & achievements.

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

Big Data As A Service in Multiplayer Online Survival Games — August 2019 — Present
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.

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

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

Face Detection And Facial Expression Recognition — January 2019 — April 2019
Skills Used: Python, OpenCV, Keras, Dlib

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

Haptic Glove embedded with an Acrylic Viewer — Hackathon, 2018
Skills Used: Python, Arduino Pro-Mini, Arduino IDE

A computing framework utilizing an acrylic viewer that uses your current cell phone to create an Augmented Reality Experience and an Arduino based haptic glove for interacting with those 3D interfaces.

Home Automation with Speech Recognition — August 2019 — October 2019
Skills Used: Python, Raspberry-Pi, SQL

A low-cost home-automation system using Raspberry Pi and the Internet of Things Technology along with the feature of speech recognition.

Implementation of XV6 Operating System   September 2018 — December 2018
Skills Used: C, x86 assembly

A simple enough OS used for pedagogical purposes at MIT and Georgia Tech; Implementation included modules for Bootloader, Context Switching, Process Management & Memory Management Unit.

Modified JPEG Compression with Lloyd-Max Quantizer   September 2017 — December 2017
Skills Used: Python, MATLAB, Xilinx ISE

Modified the conventional JPEG compression algorithm with Lloyd-Max Quantizer. Implemented and tested on Xilinx Artix-7 FPGA.

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