Maharsh Suryawala

Ahmedabad, GJ, India · 📞 (+91) 95580 52021
✉ maharshalkeshsuryawala@gmail.com
in LinkedIn · ⓞ GitHub

Developer — Hobbyist-Musician — Life-Long Student

About

From dismantling video game consoles as a kid to building my own robots and writing software; The curiosity, passion, and the urge to make things work lives on.

- Driven Information and Communication Technology Engineer with a mission to create an impact and contribute to the next generation of human-technological evolution.

- Highly motivated and passionate about everything that has to do with technology and science.

- Experienced in building end to end products from concept to completion.

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, proto-typing 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

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

- Prepared the course material for certain modules.

- Conducted and supervised quizzes and vivas.

- Assisted in planning the learning activities.

- Supported students by providing peer-tutoring and doubt-solving.

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

Course Associate, Ahmedabad University   December 2018 — January 2019
Course: Machines, Mechanisms & Automatons

- Conducted lectures on the basics of Arduino Programming.

- Take attendance and reserve labs & classrooms as per the availability of students and faculties.

- Supported students by providing doubt solving sessions.

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

- Mentored the freshly admitted undergraduate students during their freshman year.

- Conducted various ice breaking activities and campus tours.

- Supported students in the challenging phase of transition from School to University by providing guidance and arranging weekly meetings with faculty members.

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

- Designed the posters, banners, brochures, and the graphical content for the Faculty Development Program.

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