Rohit Midha

https://rohitmidha23.github.io/

EDUCATION

• SSN College of Engineering, Anna University

Bachelor of Engineering in Computer Science and Engineering; GPA: 8.99/10.0

Tamil Nadu, India Aug. 2017 –

EXPERIENCE

• Indian Institute of Technology, Madras

Chennai, India

Research Intern

November 2019 - Present

Email: rohit.midha23@gmail.com

• Large Scale Video Recognition: Working on large scale real time data for object detection and number plate recognition to model traffic flow and density dynamically.

• Sigmoid

Bangalore, India

Data Scientist Intern

May 2019 – July 2019

- Named Entity Recognition: Worked on using Conditional Random Fields, Recurrent Neural Networks and Long Short Term Memories for Named Entity Recognition of Medical Drugs.
- Quantum Machine Learning: Wrote machine learning algorithms optimized to work on a quantum computer such as quantum linear regression and Quantum Neural Networks

• CodeFemme Chennai, India

 $Founder,\ CTO$

June 2018 - Present

- **Te(a)chTheTeach**: Te(a)chTheTeach is a workshop series aimed at teaching PGT's about Python and it's various Libraries. Taught 100+ CBSE teachers so far.
- Numpy, Pandas and Neural Nets: Guest Lecture on the topic "Numpy, Pandas and Neural Nets" at Kendra Vidyalya, Indian Institute of Technology, Madras. 50+ teachers from across the country in attendance.

Research: Publications, Posters and Talks

- A Low Cost Solution to the Open Images Instance Segmentation Challenge: Poster accepted at International Conference on Computer Vision (ICCV), 2019
- Transfer Learning for International Crisis Response: Talk and Presentation at the Challenge Track of Applied Machine Learning Days (AMLD), 2020

Projects

- pharmassist: A novel label and Android App that lets visually impaired people gain health literacy.
- jargone: An app that summarizes Terms and Conditions to keep you informed about the data companies collect.
- Calmity: An app that helps victims of a disaster find food, transport and shelter in nearby places.
- trashify: Android Application that uses Deep Learning and TensorFlowLite to classify your trash into 3 categories.
- Facial Recognition Attendance Manager: Creating a prototype of a model attendance manager using Facial Recognition integrated with Raspberry Pi, Cameras and Firebase requests made by the student. Fully funded by SSN College of Engineering.

ACHIEVEMENTS

- Rank 2, Transfer Learning for International Crisis Response, DEEP AiCrowd: Jan 2020
- Winner, AstraZeneca AI Hackathon, IIT Madras: Jan 2020
- Rank 1, Food Recognition Challenge, Seerave Foundation AiCrowd: Dec 2019
- Rank 208 of 6000+ participants, IEEE CIS Fraud Detection Challenge: October 2019
- Rank 34, Open Images Instance Segmentation Challenge: October 2019
- Runner Up, Amazon Web Services (AWS) Challenge, AngelHack Global Virtual Hackathon: July 2019
- Winner, Indian Sub-Continent, AngelHack Global Virtual Hackathon: July 2019
- Merit Scholarship, SSN College of Engineering: December 2018
- Finalist, International Youth Math Challenge: November 2018

Programming Skills

- Languages: Python, C, Java, C++, SQL
- Frameworks and Technologies: Android Studio, Keras, TensorFlow, PyTorch, FastAI