

Rohit Midha

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EDUCATION

- **SSN College of Engineering, Anna University** Tamil Nadu, India
Bachelor of Engineering in Computer Science and Engineering; GPA: 9/10.0 Aug. 2017 –

EXPERIENCE

- **Indian Institute of Technology, Madras** Chennai, India
Research Intern November 2019 – Present
 - **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 Vidyalaya, 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.
- **Calimity:** An app that helps victims of a disaster find food, transport and shelter in nearby places.
- **trashify:** Android Application that uses Deep Learning and TensorFlow Lite 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