

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: 8.99/10.0 Aug. 2017 –
- **Maharish Vidya Mandir Senior Secondary School** Chennai, India
High School Diploma; AISSCE : 96.4% (482/500) June. 2015 – July. 2017

EXPERIENCE

- **AIcrowd** March 2019 – Present
Research Intern
 - **Food Recognition Challenge:** Designing baselines and working on novel in house research on the Food Recognition dataset.
- **Indian Institute of Technology, Madras** Chennai, India
Research Intern November 2019 – Present
 - **Mentors:** Professor Gitakrishnan Ramadurai, Professor Balaraman Ravindran
 - **License Plate Recognition:** Working on a system to recognise license plates from videos obtained from CCTVs.
 - **Vehicle Counting:** Working on a real time system that works with large scale data obtained from traffic cameras across the city for vehicle counting to model dynamic traffic flow.
- **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 built a quantum Neural Network for Credit Card Fraud Detection.

RESEARCH: POSTERS, PUBLICATIONS 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 (AMLDD), 2020

ACHIEVEMENTS

- **Rank 2, Transfer Learning for International Crisis Response, DEEP - AIcrowd:** Jan 2020
- **Winner, AstraZeneca AI Hackathon:** 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, SQL, Java, JavaScript
- **Frameworks and Technologies:** Android Studio, Keras, TensorFlow, PyTorch, FastAI