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**
  Research Intern — *March 2019 – Present*
  - **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 (AMLD), 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

VOLUNTEERING

- **Google** : Organized the Google AI Explore ML Workshop at SSN College of Engineering.

- **Stanford University**: Section Leader for CS106A, Programming Methodologies (Code in Place).