Rohit Midha

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Education

- **SSN College of Engineering, Anna University** — Tamil Nadu, India
  Bachelor of Education in Computer Science and Engineering; GPA: 9.20/10.0 — *Aug. 2017 –*
- **Maharish Vidya Mandir Senior Secondary School** — Chennai, India
  High School Diploma; AISSCE : 96.4% (482/500) — *June. 2015 – July. 2017*

Experience

- **Sigmoid** — Bangalore, India
  Data Scientist Intern — *May 2019 – Present*
  - **Named Entity Recognition**: Worked on using Conditional Random Fields, Recurrent Neural Networks and Long Short Term Memories for Named Entity Recognition of Medical Drugs.
  - **Sequence Generation**: Used Long Short Term Memories to generate unique music sequences and names to serve as unique identifiers.
- **SSN Model United Nations** — Chennai, India
  Under Secretary General, Technology and Development — *Apr 2019 – Present*
  - **Team**: Heading a team of 5 developers in all matters Tech related for the College Model United Nations.
  - **Website**: Built a dynamic website with Python, Flask, HTML and JavaScript using basic concepts of bootstrapping and MongoDB.
- **GeeksForGeeks** — Chennai, India
  Technical Content Writer – Algorithm blogger — *Jan 2019 – Present*
  - **Articles**: Written Various articles on topics ranging from basics of Python to Complex 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.

Projects

- **fastai**: fastai is an Open Source Package for Python that makes deep learning easier to use. Found a bug in the core code and updated the functions that generate the documents.
- **jargone**: A web app that summarizes Terms and Conditions to keep you informed about the data companies collect from you.
- **Calmity**: An app that helps victims of a disaster find food, transport and shelter in nearby places and allows them to make SOS calls. Further, allows able users to finding NGOs that they can volunteer at and post about any amenities that they have to offer.
- **trashify**: Android Application that uses Deep Learning and TensorFlowLite to classify your trash into 3 categories. Prototype of model using Raspberry Pi in implementation phase.
- **pharmassist**: A novel label and Android App that lets visually impaired people gain health literacy and read out easy instructions for pills when they place the prescription bottle on the phone screen.
- **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.
- **Other**: The SSNMUN Website, binarify (convert images to binary art), Indian License Plate Recognition.

Achievements

- **Top 8 Teams at AngelHack Bangalore.**: June 2019
- **Recipient of the Secure and Private AI Scholarship by Facebook, Udacity** : May 2019
- **Rank 505 of 10000+ participants, Santander Customer Transaction Prediction** : April 2019
- **Rank 37 of 3000+ participants, Intel Scene Classification Challenge**: April 2019
- **Runner Up, Anna University, Abacus Datathon**: March 2019
- **Runner Up, MotorQ Hackathon**: March 2019
- **Runner Up, HackerSpace, SSN College of Engineering**: Feb 2019
- **Second Runner Up, Anna University, Kurukshetra Datathon**: Feb 2019
- **Second Runner Up, IEEE Makeathon**: Jan 2019
- **Merit Scholarship, SSN College of Engineering**: Dec 2018
- **Top 5 Teams, Major League Hacking, Local Hack Day**: Dec 2018
- **Finalist, International Youth Math Challenge**: Nov 2018
- **Indumathi Muthukumar Award**: June 2017

Certifications

- **Introduction to TensorFlow for AI, ML and DL, deeplearning.ai (Scholarship)**: Mar 2019
- **Data Science Foundations - Level 2, IBM**: Jan 2019
- **Machine Learning, Stanford University (Scholarship)**: Apr 2018
- **Introduction to Mathematical Thinking, Stanford University (Scholarship)**: Jan 2018

Programming Skills

- **Languages**: Python, C, C++, SQL, PL SQL, Java, JavaScript, XML, Shell
- **Technologies**: Android Studio, React Native, React, Keras, TensorFlow, Pandas, PyTorch

Blog

I also run a blog which you can find here. It has had over 30k page views.