

Naveen Narayanan

GitHub: [naveenggm](#) — LinkedIn: [naveen-1999](#) — navaans@gmail.com — Mobile: +91-8754983791

EDUCATION

- **SSN College Of Engineering (Anna University)** Chennai, India
B.E in Computer Science and Engineering; GPA: 8.1 2017 – 2021

EXPERIENCE

- **Solarillion Foundation** Chennai, India
Undergraduate Research Assistant Feb 2019 - Present
 - Designed a neural network for continuously monitoring cardiac activity using seismocardiograms
 - Worked on light-weight Deep Learning algorithms for stress and affect detection on resource-constrained devices
 - **Teaching Assistant:** Mentored 15+ students in Machine Learning and research, Designed assignments in ML
 - **Server Administrator:** Work space automation, server maintenance, wrote scripts for tracking student progress
 - **Advisor:** Mr. Vineeth Vijayaraghavan
- **AIcrowd** Aug 2020 - Dec 2020
Research Intern
 - **Food Segmentation Challenge:** In-house research and designing baselines for the Food Recognition Challenge
 - **Problem Designer:** [Pixel wise satellite image classification problem](#), [Captcha detection challenge](#)
 - **Advisor:** Mr. Sharada Mohanty
- **PayPal** Chennai, India
Incoming Data Scientist Intern Jan 2021

RESEARCH AND PUBLICATIONS

- **[End-to-end Deep Learning For Reliable Cardiac Activity Monitoring Using Seismocardiograms](#)**
Accepted at 19TH IEEE International Conference on Machine Learning and Applications (ICMLA) 2020, Florida, USA
- **[Scalable Deep Learning For Stress And Affect Detection On Resource-Constrained Devices](#)**
Published at 18TH IEEE ICMLA 2019, Florida, USA
- **[Deep Learning For UI Element Detection: DrawnUI 2020](#)**
2nd Place in Leaderboard, Working notes published at 11TH CLEF 2020, Thessaloniki, Greece

PROJECTS

- **GrocerStop** April 2020 - June 2020
Restart India 2020 Hackathon, 3rd Place
Application to monitor, control and manage crowds at departmental stores for preventing spread of COVID-19.
- **Predicting The On-time Performance Of Flights In USA** Jan 2019 - April 2019
Modelled a two-stage predictive ML Engine that forecasts the On-time performance of flights.
- **TARS: Workplace Automation Bot for Solarillion Foundation** May 2020 - Present
Automated the process of updating the official website via Slack.

SKILLS AND COURSEWORK

- **Programming Languages:** Python, C++, C, SQL
- **Frameworks and Libraries:** PyTorch, Tensorflow, Git, Scikit-learn, Keras, Flask, Docker
- **Courses:** Probability, Statistics, Discrete Mathematics, Data Mining, Data Structures & Algorithms

ACHIEVEMENTS AND EXTRACURRICULARS

- 1 among 150 candidates accepted for the **Google AI Summer School 2020** by Google Research India
- 3rd Place, Blitz AI Challenge by AIcrowd
- 11th Rank in (top 2%), Food Recognition Challenge (Round-2) by Seerave Foundation
- 72nd Rank (top 3 %), EPFL ML Road Segmentation Challenge 2019
- Vice-President Membership, Secretary of a Toastmasters International Club (Public Speaking Club)
- School Topper in Mathematics and Computer Science scoring 99% in CBSE Class XII Examination