

Naveen Narayanan

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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
 - **Research Work:** Previously worked on Stress Detection and Cardiac Activity Monitoring using Deep Learning
 - **Server Administrator:** Work space automation, Server and Network Attached Storage (NAS) Maintenance
 - **Teaching Assistant:** Mentored 10+ students in Python and Machine Learning
 - **Advisor:** Mr. Vineeth Vijayaraghavan
- **AIcrowd** Aug 2020 - Present
Research Intern
 - **Food Segmentation Challenge:** In-house research and designing baselines for the food recognition challenge
 - **Problem Setter:** Worked on creating a pixel wise satellite image classification problem using LANDSAT 8 data
 - **Advisor:** Mr. Sharada Mohanty
- **PayPal** Chennai, India
Incoming Software Engineering 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-Constraint Devices***
Published at 18TH IEEE ICMLA 2019, Florida, USA
- ***Deep Learning For UI Element Detection: DrawnUI 2020***
Working notes published at 11TH CLEF 2020, Thessaloniki, Greece

PROJECTS

- **GrocerStop** March 2020 - May 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
- **Courses:** Probability, Statistics, Discrete Mathematics, Data Mining, Data Structures & Algorithms

ACHIEVEMENTS AND EXTRACURRICULARS

- Accepted for the **Google AI Summer School 2020** by Google Research India
- 3rd Place, Blitz AI Challenge by AICrowd
- 11th Rank (top 2%), Food Recognition Challenge by Seerave Foundation
- 69th Rank (top 3 %), EPFL ML Road Segmentation Challenge 2019
- Vice-President Membership, Secretary of a Toastmasters International Club
- Public Speaking • Stand Up Comic • Debater • Footballer