Pathapati Aravind Ganesh

 H201, Boys Hostel,IIT Hyderabad - 502285

 ee16btech11026@iith.ac.in

 aravindganeshp.28@gmail.com

 +91 9182878840

 AravindGanesh

 AravindGaneshP

Education

2016 - present B.Tech + Honors in Electrical Engineering
Indian Institute of Technology Hyderabad
CGPA: 8.28

2014 - 2016 XI and XII, AP State Board
Narayana Jr. College, Nellore
Percentage: 97.4%
JEE Advanced AIR: 1453

2013 - 2014 SSC, AP State Board
Ratnam High School, Nellore
GPA: 9.7

Significant Courses in B.Tech

 • Introduction to AI and ML • Representation Learning • Probabilistic Graphic Models • Probability and Random Processes • Digital Signal Processing • Digital Modulation Techniques • Digital Communications • Data Structures • Data Analytics • Information Sciences • Multiple Antenna Systems

Areas of Interest

Machine Learning and Deep Learning - Research and Applications on Image Data

Work Experience

Projects

- **2018 - Summer Project:** Face Detection and Recognition and counting the number of persons in a video using openCV, DLib and FaceNet on videos(720p, 24fps) - 98% accuracy on a small test data. under the guidance of Dr.Sumohana, EE faculty, IIT Hyderabad

- **2018 - Summer Project:** Gait Recognition using HumanposeNN and GaitNN models - 92% accuracy on small custom test dataset - under the guidance of Dr.Sumohana, EE faculty, IIT Hyderabad

- Team member in IEEE VIP-cup 2018 - Lung tumor segmentation

- IoT dev at Summer Internship at NemoCare (a startup at IIT Hyderabad)

- **IV semester project** Far Field Voice Activity Detection using RNN

- Technology support for soldiers: problem statement in InterIIT tech-meet 2017

Skills

- **Programming Languages**

  - Python - numpy, tensorflow, keras, matplotlib, scipy, scikit-learn, opencv (preference - Python3)

  - MATLAB

  - C

- **Skills in Current line of work**

  - Deep Learning - CNN, GAN, VAE (currently working on GANs), basic idea on RNN and LSTM

  - Machine Learning - Classic supervised and unsupervised techniques

- **Miscellaneous**

  - Linux - Ubuntu (preferred OS)

  - git, GitHub

  - Raspberry Pi, Arduino, etc.

Extra Curriculars

- Active member of Elektronica club, Sci-tech Council, IIT Hyderabad

- Participant in Inter-IIT Tech-meet, 2017

- Coordinator of Workshops and Hackathon, ELAN & nvision - 2018

- Active volunteer for NSS, IIT Hyderabad