

PULIGADDA SAAKETH RAMACHANDRA

ELECTRICAL

ENGINEER

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A Pune

PROFILE SUMMARY

Highly driven Electrical Engineering graduate with knowledge in electrical system, products, Mathematics and computing and seeking to pursue Masters in Data Science. I am looking to gain some experience in Data Analytics before joining Master's.

EDUCATIONAL QUALIFICATION

- Bachelor Of Technology in Electrical Engineering from Indian Institute of Technology, Tirupati (CGPA 6.34)
- Higher Secondary School (Intermediate) from Narayana Jr College in 2019 with CGPA of 9.75
- Secondary School Certificate (SSC) with CGPA of 9.8

INTERNSHIP-TATA ELXSI (Duration-2Months)

Developing a Simulink model for use in the Unreal Engine environment, with an ego vehicle equipped with a detector trained with custom data and a sensor fusion of radar and vision sensors which in the situation can detect other vehicles.

ACADEMIC PROJECTS

1. Application of Control Systems in Launch Vehicle Flight Systems

[1month]

Exploring the applications of Control Systems in Launch Vehicles and aspects that should be taken into account in designing the flight control systems.

2. Impact of phase and frequency error of carrier signal at receiver end in case of a DSB-SC signal [2weeks]

Exploring the effect of frequency error or a phase error for a carrier signal in receiver end.

Areas of interest

- Machine Learning,
- Data Analytics
- Statistics
- Computing

Technical proficiency

1. Programming Language- C, Python, R, SQL
2. Operating System-Windows
3. Software
 - MATLAB,
 - AutoCAD
 - ModelSim,
 - Microsoft Office
 - Tina
 - R studio

Relevant courses

- Signals and systems
- Electromagnetic fields
- Solid-state devices
- Electrical Circuits and networks
- Digital systems
- Probability and Statistics
- Linear algebra

Achievements

- JEE Advanced: AIR 6587
- Achieved a FIDE rating of 1185 in Chess
- Selected in interview process for admission in ISI Kolkata

Extra-curricular activities

- Sports-Chess, Football
- Club-Astronomy Club, Chaturanga Club

Hobbies and interests

- 📖 Playing Chess
- 📖 Reading Books