



Mohd Saad

Junior

Bachelor of Technology

Dept. Of Electrical & Electronics Engineering

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EDUCATION

Graduation: Rajiv Gandhi Institute of Petroleum Technology, B. Tech in Electronics Engineering, 2022-2026

Intermediate: Ryan International School, 2022 - 86.5%

Matriculation: Ryan International School, 2020 - 85.0%

ACHIEVEMENTS

- Secured first position in batch in Silver Zone Mathematics Olympiad
- **Cleared JEE Advanced 2022.**
- National Kickboxing championship silver medal 2017.

EXPERIENCE

1. World Robotics Championship-Technoxian

July 2023

- Participated in the Maze Solver Event.
- 3D Printed a bot containing micro-controller Ultrasonic Sensors and High-Torque and High-Precision Motors.
- Implemented a PID control algorithm for maze traversal. Finished Under Top 10 in the event.

KEY PROJECTS

1. SAR image translation to it optical image

ongoing

- Preparing an ML model that can translate an gray scaled SAR image to coloured image without losing much details
- Model further used as a back-end of a website .
- Using S-CycleGAN in ML model.

2. Design and Simulation of a MIMO Antenna for 5G Applications

ongoing

- Designing a Multi-Input Multi-Output (MIMO) antenna system to improve data rates and reduce interference in 5G communications..
- Optimizing it for bandwidth, gain, and radiation pattern in the 28 GHz or 39 GHz frequency bands.

SKILLS

- C/C++, Java, Python, MS Office & MATLAB.
- Microcontroller programming and embedded systems.
- Verilog, VHDL, SystemVerilog, Ansys HFSS.
- AutoCAD, HTML, CSS, JavaScript.
- PR, management, machine learning, 3D printing, video editing & editorial.

POR'S

- Head of logistics IEEE.