

Abhishek Saraswat

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Education

- **Rajiv Gandhi Institute of Petroleum Technology** Amethi, India
Bachelor of Technology - Electronics Engineering; GPA: 7.03 2021 - 2025
- **Guru Nanak Public School Class - 12th; Percentage:79.8** Kota, India 2019-2020
- **Guru Nanak Public School Class - 10th; Percentage:90.8** Kota, India 2017-2018

Skills Summary

- **Languages:** Python, C, C++, SQL, Verilog
- **Libraries:** Numpy, Pandas, Pyqt5, Scikit, OpenCv, Tensorflow
- **Tools:** Xilinx Vivado, MATLAB, VScode, Google Colab
- **Platforms:** Windows, Arduino
- **Technical Skills:** RTL Design, Analog Circuit Design, Problem Solving, Data Analytics, Machine Learning, Digital Circuit Design
- **Soft Skills:** Leadership, Event Management, Public Speaking, Time Management

Projects

- **Machine-Learning based Resource allocation in Visible Light Communication.:** (Work in progress) under Dr. Shivanshu Srivastava
- To maximize the data transfer rates between two autonomous vehicles and to minimize the noise due to interference for effective resource allocation.
- To fix the interference by the other reflecting objects.
- The optimization is being done using deep learning libraries such as keras.

Achievements

- Cracked JEE Advance 2021
- Rank 5st in the Department - Present
- Winner of ResoQuest organized by Resonance, Kota.
- Winner of Turbotron (Fastest Line Follower) competition organized by SnT, RGIPT.

Volunteer Experience

- **Audit & Reporting Head IEEE RGIPT SB**
An active member of IEEE and leading a team of 100 working members at IEEE RGIPT student branch (November 2022 - present)
- **Tinkering Lab Head at Science & Technical Council RGIPT**
Coordinated and planned various activities in the student branch as a joint secretary (May 2023 - present)