

REEDHAM

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EDUCATION

Rajiv Gandhi Institute of Petroleum Technology

(An *Institute of National Importance* along the lines of IITs)

2022 – 2026

Amethi, Uttar Pradesh, India

B. Tech in Electrical Engineering (Major : E -Vehicle)

DAV Public Sr. Sec. School

CBSE Class 12th - **Percentage - 89%**

2020 – 2021

Solan, Himachal Pradesh, India

DAV Public Sr. Sec. School

CBSE Class 10th - **Percentage - 79%**

2018 – 2019

Solan, Himachal Pradesh, India

INTERNSHIP

Tata 1mg

Dec 2023 – Mar 2024

Web Analytics Intern

- Analyzed competitor's data using Python and Tableau.
- Worked with big datasets and made them ready for visualizing using Pandas and NumPy.
- Created Tableau Dashboards for proper visualization.

PROJECTS

WiFi-Based Joint Activity and Location Estimation Using Deep Learning May, 2023 - Ongoing

- Developing a system that can accurately recognize human activities based on Wi-Fi signal data (CSI).
- Developed and implemented a **Convolutional Neural Network (CNN) model on Jordanian Dataset**.
- Collected CSI Data using **ESP32 Microcontroller** and processed using several **Python** libraries.
- Used **TensorFlow** and **Scikit-learn** to implement CNN and also made use of various technologies like WSL2.

Deep Learning Models that recognize handwritten digits

October, 2023

- Created two **Deep Learning** models that recognize hand written digits.
- CNN and CapsNet were implemented on MNIST Dataset.
- Both models achieved an accuracy of more than 99 percent.

Snake game

November, 2020

- A classic Snake Game created using PyGame module of Python.

TECHNICAL SKILLS

Languages:

Python, JavaScript, HTML5, CSS3, C, C++, Dart

Libraries:

NumPy, Pandas, Matplotlib, PyGame, Scikit-learn, Selenium

Technologies/Frameworks:

TensorFlow, Linux, MicroPython, Django, GitHub, WSL2, MATLAB

VOLUNTEER EXPERIENCE

Science and Technical Council, RGIPT

Kode Club Executive

OWASP Student Chapter, RGIPT

Active Member

IEEE Student Branch, RGIPT

Active Member

Achievements

- Winner in Wall Maze Solver Event held at Urjotsav 2023, RGIPT
- Runner-up in Momentum Event held at Technex 2023, IIT(BHU)
- Qualified for JEE Advanced, 2022