Reedham

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EDUCATION

Rajiv Gandhi Institute of Petroleum Technology   **2022 − 2026**
*(An **Institute of National Importance** along the lines of IITs)*   *Amethi, Uttar Pradesh, India*
B. Tech in Electrical Engineering (Major : E -Vehicle)

DAV Public Sr. Sec. School   **2020 − 2021**
CBSE Class 12th - **Percentage - 89%**   *Solan, Himachal Pradesh, India*

DAV Public Sr. Sec. School   **2018 − 2019**
CBSE Class 10th - **Percentage - 79%**   *Solan, Himachal Pradesh, India*

INTERNSHIP

Tata 1mg ↗   **Dec 2023 − Mar 2024**
Web Analytics Intern
- Analyzed Tata 1mg'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