Amit Ramrakhyani

📞 93283-00751 ✉ amit.ramrakhyani1109@gmail.com in Amit-Ramrakhyani ⭘ Amit-Ramrakhyani

Technical Skills

Languages/Database: Python, C++, Julia, C, R, MySQL, Java, Bash, MATLAB
Libraries: Numpy, Pandas, MatplotLib, Seaborn, Sklearn, OpenCV, PIL, PyTorch
Software & Tools: Linux, Arduino, Git, Raspberry Pi, Robotic Operating System, Jupyter

Education

Bachelor of Technology, Computer Engineering	**2021 – Present**
Pandit Deendayal Energy University, Gandhinagar	*CGPA: 9.83*
Class XII	**2021**
Airport School, Ahmedabad	*91.4%*
Class X	**2019**
Airport School, Ahmedabad	*94.83%*

Co Curricular

Cretus, PDEU	**December, 2021 – Present**
Technical Lead	*Gandhinagar, Gujarat*

- Spearheaded the creation of diverse robots for educational purposes, workshops, and competitions.
- Leveraged cutting-edge technologies such as **ROS**, **Raspberry Pi**, **Arduino**, and **IoT sensors**.
- Pioneered competitive robot projects including **Swarm Drones**, **Line-following robots**, and **Maze solvers**.

GeeksForGeeks PDEU Chapter, PDEU	**August, 2023 – Present**
Technical Lead	*Gandhinagar, Gujarat*
Brahmand, PDEU	**September, 2022 – Present**
Core Committee Member	*Gandhinagar, Gujarat*

- Curated innovative astronomy content for the club's digital platforms.
- Orchestrated astronomy-related events like **Exploring Chandrayaan-3**, **Night Sky Gazing**, and **Planetarium.**

Projects

Finvest | *Python, Django, Firebase, MySQL — Git*   **October, 2022**

- Developed a Django-based **Web App** for women to publicize their business and get funding, at **Tic-Tech-Toe'22** hackathon held at DAIICT by IEEE.
- Used Django framework for both, the frontend and backend part of the web app.
- Authentication process of the user was done using Firebase.

SmartGro | *Python, Tkinter, MySQL — Git*   **April, 2023**

- A smart grocery store where users can browse different products and place orders.
- Also allows owners to manage their inventory and view sales reports.
- Working on a recommendation system that will recommend groceries based on purchase history.

iSpace | *Python, Tkinter, MySQL — Git*   **May, 2021**

- An online testing application for students and teacher to conveniently to give and conduct MCQ based test.
- It assists teachers to make questions according to their requirement.
- Has a feature for displaying marks and percentage along with the analysis of the test including correct option and chosen option.

Pose-Estimation | *Python, OpenCV, Mediapipe — Git*   **August, 2022**

- Worked on a script that helps to detect and track any pose in frame.
- It has many implications in the real world like **yoga poses tracker**, **posture tracker** for desk jobs individuals.

Frontier | *Python, Winget, OS, Tkinter — Git*   **August, 2022**

- Developed a Python application to simplify the process of downloading complex applications using winget, at **Pythakon'22 hackathon** held at CHARUSAT University.
- Integrated Python with CLI using OS library of python so that winget commands could be executed using python.

Certifications

Certificate 1: Neural Network and Deep Learning by DeepLearning.AI

Achievements

- Won a prize pool of **1 Lac INR** in the Proof of Concept round of a national level robotics competition **ROBOFEST 3.0** organized by GUJCOST.