SAMIYA FAROOQUEE

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SUMMARY

Dynamic and innovative Computer Science Engineer with a strong background in data science and machine learning. Skilled in Python programming, Arduino, and Raspberry Pi, adept at transforming conceptual ideas into practical solutions. Experienced in Robot Operating System (ROS), SLAM, computer vision, and object detection.

SKILLS

- Proficient in **Python Programming Language.**
- Strong foundation in **Data Science** and **Machine Learning.**
- Expertise in **Arduino Programming** and **Raspberry Pi.**
- Proficient in **Robot Operating System (ROS)** and **SLAM.**
- Proficient in **Computer Vision** and **Object Detection.**
- Excellent **problem-solving skills** and attention to detail.
- Effective communication abilities in **English**, both written and verbal.

PROFESSIONAL EXPERIENCE

- **Project Associate, IIT Kanpur (September 2023 - 31st December 2023)**

Engaged in a DRDO robotics project, collaborating on innovative solutions. Involved in design, development, testing, and project planning. Using ROS, SLAM, computer vision, and object detection to advance project goals.

TRAININGS AND COURSES

- Machine Learning A-Z - UDEMY (July 2023)
- Innovitt Global - Python Programming (1st July 2022 - 1st August 2022)

EDUCATION

- Bachelor of Technology (Computer Science) - **8.81 CGPI**
- Intermediate (PCM - ISC) - **78.6%**
- High school (Science Stream - ICSE) - **88.17%**

PROJECTS

1. FRIDAY - The Object Following Robot (May 2023)
2. Odometry and Position Estimation for Mobile Robot (April 2023)
3. Autonomous Mobile Robot with IR Sensors and Motor Control (April 2023)
4. EDITH - The Motion Following Robot (November 2022)
5. Comparative Analysis of Classification Models for Target Audience Prediction
6. Market Basket Analysis with Apriori and Eclat Algorithms
7. Mall Customer Segmentation with Hierarchical and K-means Clustering
8. Exploring Ad Selection using UCB and Thompson Sampling
9. Churn Prediction Using Artificial Neural Networks
10. Sentiment Analysis using Natural Language Processing

HIGHLIGHTS

- Awarded with the Top Robotics Voice badge on LinkedIn.
- Got featured on Raspberry Pi's website and LinkedIn for major project.
- Got featured on Plotly's LinkedIn for a personal Machine Learning project.