

SAMARTH SINGH

Samarths@bu.edu | 617-373-0093 | Boston, MA | [linkedin.com/in/samarth-singh22](https://www.linkedin.com/in/samarth-singh22) | github.com/samarth-sudo

EDUCATION

Boston University, College of Engineering <i>M.S in Robotics and Autonomous System</i>	Boston, USA Expected December 2024
Amity University, Amity School of Engineering & Technology <i>B. Tech in Electronics & Communication</i> <ul style="list-style-type: none">GPA: 3.10 / 4.00	Noida, India 2019 - 2023

SKILLS

Programming: Python, MATLAB, Arduino, Raspberry Pi, HTML, CSS, Machine Learning , API

Tools: CAD, GIT, Adobe Photoshop, Adobe After Effects, ROS

Soft Skills : Communication , Team Work

PROJECT EXPERIENCE

Amity University <i>Graphical User Interface for Autonomous Quadcopter</i> <ul style="list-style-type: none">Reduced manual data processing time by 40% and facilized more efficient decision-making.Streamlines weather forecasting with a user-friendly GUI, visualizing quadcopter-collected environmental data for convenient analysis of temperature, humidity, pressure, and altitude.	Noida, India March - April 2023
Amity University <i>Autonomous Quadcopter for Weather Monitoring</i> <ul style="list-style-type: none">Engineered a transformation of a conventional quadcopter into an advanced UAV for meteorological applications.Spearheaded complete automation of weather forecasting process, achieving an impressive 75% reduction in human error.Implemented cutting-edge LoRa (Long Range Radio) technology for data transfer in quadcopter, revolutionizing data transmission capabilities.Analyzed a remarkable 50% increase in both data transmission range and accuracy, optimizing efficiency of weather data collection.	Noida, India July - November 2022

EXPERIENCE

Neighborhood Society <i>New Ideas Manager / Volunteer</i> <ul style="list-style-type: none">Initiated Friday food distributions for underprivileged/homeless and secured monthly donations for orphanages.Initiated Trips for old age home visits and to provide free tutoring to neighborhood underprivileged students.	Ghaziabad, India August 2017 - March 2023
Robotic Club <i>President</i> <ul style="list-style-type: none">Took initiative for various Competitions related to robotics, various Workshops for member of club to get new skills, college first Paper Presentation and Conference in respect of New Technology.Organized various cultural events Various Seminars where talks were given by some Prominent and Key figures from Startup and Government areas.	Noida, India October 2019 - March 2023
Noida Metro Rail Corporation <i>Intern Trainee</i> <ul style="list-style-type: none">Acquired in-depth knowledge of overseeing a metropolitan Metro network, with a specialization in signaling and telecommunication systems.Collaborated with the Various department helping in Making the Movement of Metro Around a City.	Greater Noida, India June 2022 - July 2022