

Ishaan Chandra

Software Engineer

+919818896338

ishaan748@gmail.com

LW2FF1, Delhi Technological University, Bawana Road, New Delhi-110042, India.

EXPERIENCE

Adani Defense and Aerospace Technologies Ltd., Intern

June 2020- December 2020

Worked on a swarming project through the IIIrd phase of the prestigious Mehar Baba Prize organized by the Indian Air Force.

EDUCATION

Delhi Technological University(formerly DCE), New Delhi, Bachelors in Technology-Electronics and Communications

MAY 2022

Unmanned Aerial Systems, Delhi Technological University -Avionics Developer

JUL 2019 - JUN 2020

Worked in flight avionics and flight control. Actively worked on projects involving path planning, minimum snap control, ROS, and IMU based navigation.

Ryan International School, Rohini, New Delhi, High School

MAY 2017

PROJECTS

Cognitive Radio

Worked on statistical optimization of bandwidth consumption by devices operating on a private network.

GPS Denied Navigation

Worked sparingly on OpticalFlow to operate autonomous quadcopters in GPS denied environments. Worked actively in rerouting GPS data to use for GPS spoofing.

Biomimetic Composite Hand

Designed a robotic arm in Fusion360 and analyzed the inverse kinematics and control statements in ROS. Currently working on mimicking human movements captured on a camera using deep learning algorithms.

SKILLS

- Machine Learning
- Convolutional Neural Networks (CNN) and Computer Vision
- Database Management System (DBMS)
- Reinforcement Learning
- Natural Language Processing (NLP)
- Aircraft Systems
- Robot Operating System (ROS)
- Inertial Navigation
- Data Structures
- Algorithms-Specialization
- C/C++ • Python • Java
- MATLAB, CST, COMSOL, Fusion360, Gazebo, SITL

AWARDS

Worked in the team that won Best Communications Architecture, IAF Mehar Baba Prize.

LANGUAGES

English, Hindi