

# Soham Chitnis

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## Summary

Currently a Sophomore in Computer Science at Birla Institute of Technology and Science, K.K Birla Goa Campus. I am interested in gaining experience in ML/DL. I have worked on Computer Vision and Reinforcement Learning projects.

## Education

### Birla Institute of Science and Technology

B.E(HONS.) IN COMPUTER SCIENCE

Goa, India

Oct. 2020 -Present

- **CGPA** - 9.28/10
- **Relevant Coursework:** Computer Programming, Linear Algebra, Probability and Statistics, Calculus

## Projects

- **Adversarial deep Learning - (Code):** -Worked as Contributor to this Project. This project is a part of a book being written of same name where this project involves tutorials and implementation for the book.
- **RAIN-Robot Automation Indoor Navigation:** Worked on Perception of the robot using semantic segmentation. This project is building stack for the robot Trotbot for indoor navigation which involves three components Perception, Localization and Planning.
- **Project Kratos:** - This project is about building a Mars Rover for the University Rover Challenges. Worked on Rock analysis using Computer Vision
- **Comparative Study of Reward functions on Policy gradient (Code):** -This is an independent project where I have done comparative study on reward functions in Policy Gradient with Gaussian Distribution

## Certifications

- 2021 **Neural Networks and Deep Learning**, Coursera
- 2021 **Introduction to Deep learning**, Quark BITS Goa
- 2021 **Fundamentals of Deep learning**, NVIDIA Deep Learning Institute
- 2021 **Machine Learning**, Coursera

Online

Online

Online

Online

## Tech-Stack

- **Languages:** Python, C/C++, Java
- **Toolkits:** Numpy, Scipy, OpenCV, PyTorch, Tensorflow, Keras, Matplotlib, Scikit-Learn, HTML, CSS

## Honors & Awards

- 2021 **Silver Prize**, CTE ML Hackathon
- 2020 **100 percentile**, MHT-CET
- 2017 **Silver Medal**, Dr. Homi Bhabha Balvaidnyanik Competition

Goa, India

Mumbai, India

Mumbai, India

## Committees

- 2021 **Core Member**, Electronics and Robotics Club
- 2021 **Member, Life Detection**, Project Kratos

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