# 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. Currently I am working on Deep Graph Generative models.

## Education

**Birla Institute of Science and Technology**                                                                          *Goa, India*

B.E(Hons.) In Computer Science                                                                          *Oct. 2020 -Present*

- **CGPA** - 8.69/10
- **Relevant Coursework:** Computer Programming,Linear Algebra,Probability and Statistics,Calculus,Object-Oriented Programming
- **Course Mentor:** Computer Programming

## 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

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|---|---|---|
| 2021 | **Neural Networks and Deep Learning**, Coursera | *Online* |
| 2021 | **Introduction to Deep learning**, Quark BITS Goa | *Online* |
| 2021 | **Fundamentals of Deep learning**, NVIDIA Deep Learning Institute | *Online* |
| 2021 | **Machine Learning**, Coursera | *Online* |
| 2022 | **Building Transformer-Based Natural Language Processing Applications**, NVIDIA Deep Learning Institute | *Online* |
| 2022 | **Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization**, Coursera | *Online* |
| 2022 | **CS231n-Convolutional Neural Networks for Visual Recognition**, Stanford | *Online* |

## Tech-Stack

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

## Honors & Awards

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

## Committees

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