Ashutosh Saxena

Short and engaging pitch about yourself.

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EDUCATION

B.Tech in Mathematics and Computing
Indian Institute of Technology, Goa

2019 - Present   *Current CPI - 8.38*

Class XII
Delhi Public School Ghaziabad

2018 - 2019   *91.2 %*

Class X
Delhi Public School Ghaziabad

2016 - 2017   *9.8 CGPA*

PERSONAL PROJECTS

Face Mask Detection Model (06/2020 - 07/2020) ↗
- A Convolution Neural Network Model developed using Python and Keras for detecting in a live video stream if a person is wearing a face mask.
- Potential usage in health and precaution purpose to reduce the outbreak of Sars-Cov-2.

Neural Style Transfer (04/2021 - 05/2021) ↗
- Taking inspiration from Google's Deep Dream Neural Style Transfer uses internal representations of neural networks to solve an optimization problem and output Alluring images.
- Style transfer is a fun and interesting technique that showcases the capabilities and internal representations of neural networks.

WORK EXPERIENCE

Machine Learning Intern
Verzeo

05/2020 - 07/2020
- Gained experience with different ML and AI algorithms and their application.
- Explored various Data Analysis techniques.

Contributor in IIT Kharagpur's Winter of Code
Indian Institute of Technology, Kharagpur

12/2020 - 01/2021
- Contributed to Open Source projects involving Artificial Neural Networks and Pygame.
- Worked on a tool to decode star spectrum images using OpenCV to make predictions about its characteristics.

SKILLS

`Python` `C/C++` `Data Analytics` `Deep Learning` `Keras Framework` `Data Structures & Algorithms` `MATLAB`

ACHIEVEMENTS

First Place in Coding Triathlon (2020)
A coding competition at Cult Rang, the annual techno-cultural fest held at IIT-Goa

Received Scholarship from the State Government (2017)
Cleared UPSTSE a State-Wide Examination conducted by the government of Uttar Pradesh, India

Cleared KVPY Examination (2018)
A Nation-Wide Examination conducted by the Indian Government in the field of Science.

VOLUNTEER EXPERIENCE & POR

Infosec IIT-Goa (06/2020 - Present)
Core Team Member of the cyber security club of IIT Goa

Entrepreneurship Cell (06/2020 - Present)
Core Team Member in the Entrepreneurship Cell of IIT Goa

Student Mentor (09/2020 - Present)
Mentored two students in their freshman year under the student mentorship program of IIT- Goa

COURSES

Algorithm Design (01/2021 - Present)
Studied design and analysis of algorithms for a variety of problems arising in computer science and its applications

Data Structures And Algorithms (06/2020 - 11/2020)
Studied various abstract data structures and their implementation in a programming language like C/C++.

Deep Learning (06/2020 - 08/2020)
Studied different ML & AI algorithms and their application like, CNNs, NLP & RNNs

INTERESTS

`Reading` `Badminton` `Basketball` `Music` `Anime` `Gaming`