

Debankur Ghosh

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Career Objective

To pursue a job opportunity in a competitive environment that will challenge me to push my boundaries and expand my knowledge in the field of computer science while allowing me to add value to the dynamics of the company.

Academic Qualification

- KC College of Engineering and Research, Thane (*aff. University of Mumbai*) 2017 – 2021
Degree: Bachelor of Engineering | Majors: Computer Engineering | CGPA: 8.04
Advanced Topics: Machine Learning, Algorithms and Data Structures.

Experience

- Machine Learning Intern | IoTIoT.in, Pune 11/2020 – 01/2021
I was responsible for studying the AlignedReID method for person re-identification and implement it in a project to track and identify people in a crowded place. We used ResNet-50 + Global Loss + Mutual Learning on Market1501 dataset and achieved a Rank-1 accuracy of 96.8%

Technical Skills

- Proficient: C, C++, Python and SQL
- Competent: Git, CUDA, CI/CD, JAVA, MATLAB, Flask, Tensorflow and Keras.

Projects

- Face mask detection program 08/2020 – 09/2020
It is a face mask detection system built with OpenCV, TensorFlow using Deep Learning and Computer Vision concepts in order to detect face masks in static images as well as in real-time video streams.
- Gesture based pattern recognition program 01/2020 – 04/2020
It is a machine learning model which can recognize patters and shapes in 3D space and interpret them accurately.
- American Sign language to English bi-lingual translation program 06/2020 – 03/2021
It is an ASL to English bi-lingual translator software which can be used by speech impaired people to communicate easily and help others understand ASL patterns.

Academic and Scholastic Achievements

- Mumbai region gold medalist in Science Olympiad Foundation's National Cyber Olympiad 2016
- ACM-ICPC Kolkata-Kanpur on-site regionals participant. 2019