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

- **K.C. College of Engineering and Research, Thane** *2017-2021*
  Degree: Bachelor of Engineering | Majors**:** Computer Engineering | **CGPA:** 8.14
  Advanced Topics: Advanced Machine Learning, Network Security, Cryptography and Block Chain Technology, Advanced Algorithms, and Data Mining.

Experience

- **Iotiot.in (internship), Pune** *01/2020-10/2020*
  Worked on an artificial intelligence project to track and re-identify people in a crowd with YOLO object detection and CNN using TF v2.0

Technical Skills

- **Proficient:** C, C++ and Python
- **Competent:** JAVA, R, SQL and HTML
- **Software:** Git, CUDA, MATLAB, Maltego and Wireshark

Academic Projects

- **SNAKES** *02/2018 – 04/2018*
  SNAKES is a gesture-based game in which hand gestures are used to control the Snake's head in order to move it. This game uses a very basic direction prediction model using hand gestures.

- **hotdex.com** *09/2019 – 10/2019*
  hotdex.com is an e-commerce website for selling iPhone. This website uses machine learning models to determine the price of the mobile phone depending on various parameters such as popularity of the model availability user ratings and other statistical data.

- **Gesture based pattern recognition program** *01/2020 – 04/2020*
  It is a machine learning model which can recognize patters (English alphabets only) in 3D space and interpret the pattern with an accuracy of 87%.

- **ASL bi-lingual translator** *06/2020-present*
  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 Foundations' National Cyber Olympiad *2016*
- **ACM-ICPC** preliminary participant. *2017*
- **ACM-ICPC** Kolkata-Kanpur on-site regionals participant. *2019*

Organizations

- **Computer Society of India (CSI)** *2017-present*
- **TEDx** *08/2018- 02/2019*
  TEDxKCCEMSR Assistant Curator

Personal Projects

- ‘mrchat.tk' an anonymous peer to peer chat website.
- Performing Real-Time Object Detection with YOLOv3.
- Predicting Stock Market Prices with Regression.
- Finding approximate solutions of Travelling Salesman Problem (TSP) using techniques like hill-climbing.
- Real time face mask detection program using CNN.
- Solving sudoku puzzle using A*-search algorithm.
- Chess Classic: Designed a chess AI engine using mini-max algorithm with alpha-beta pruning in Racket.
- Facial Expression Recognition using Keras.

The files and folders for all the projects are available on my GitHub.