Prithvi Kishan

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PROFESSIONAL EXPERIENCE

MATLAB developer intern, Matlab Helper   01/2021 - 06/2021
- Developed MATLAB code and produced technical content for several projects including Twitter sentiment analysis, Face Recognition program for smartphones, Compression Techniques, and Animating fictional characters in MATLAB.
- Assisted clients with research and project work in Engineering-related tasks.

Campus Ambassador, Delhi Technical University   02/2020 - 05/2020
- Represented and advertised TATVA, the Annual Techno-Management Fest organized by the Department of Applied Chemistry, DTU, and enrolled over 300+ participants.

PROJECTS

Gesture Controlled Speech synthesizer for the deaf and mute   02/2020 - 05/2020
- Designed glove capable of gesture detection using flex sensors, Arduino, and a Bluetooth module.
- 2nd place in Project-Based learning competition held at BMSIT,04/2021.

Face-Recognition program   09/2020 - 10/2020
- Deployed the AlexNet CNN to train a transfer learning model to recognize people's faces captured using a webcam in MATLAB and achieved an accuracy of 94% on a test dataset.

Random song generator   11/2020 - 01/2021
- Developed a program to reference lyrics from the Genius.com API and automatically generate songs using python.
- Techniques used: Markov chain model, Text-to-speech, and audio layering.

IPL statistics visualizer   08/2020 - 09/2020
- Helped non-cricket followers to understand cricket statistics and numbers intuitively with the help of graphs and charts in MATLAB. Techniques used were Regex and Web scraping.

CONFERENCE PRESENTATIONS

- Kishan, P 2022,'Effectiveness of Markov Chain lyrics in Music', paper presented to the National Conference of Recent innovations in Engineering-2022, KSIT,23-24 June.

EDUCATION

B.E, Electronics and Telecommunication Engineering,   07/2018 – 07/2022
BMS Institute of Technology & Management   *Bangalore, India*