Thouseef Syed

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EDUCATION

The University of Texas at Dallas   **(Expected) May 2020**
M.S., Applied Cognition & Neuroscience (Computational modelling and Artificial Intelligence)   **GPA: 3.6**

PES Institute of Technology   **July 2017**
B.E., Electronics & Communication Engineering   **GPA: 3.5**

PROFESSIONAL EXPERIENCE

The University of Texas at Dallas   **January 2019-present**
Machine Learning Researcher & AI/ML Lead
- Building a virtual interactive lab assistant exclusively for the ArtScilab
- Established a network of over 20 users within the framework of the lab
- Created a knowledge base of over 100 frequently asked questions.

PES Institute of Technology, Bangalore, India   **July 2017– March 2018**
Research Assistant
- Analysed data sets of 10 years and developed a model that would aid Fund managers to maximize returns
- Performed prediction for 3 months of Net Asset Value of Mutual Funds using Support vector Machine models

Edureka Pvt. Ltd., Bangalore, India   **November 2017- December 2017**
Intern
- Implementation of an image recognition model that identifies distinctive objects
- Performed prediction using convolutional and max-pooling layer on CIFAR-100 datasets

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ACADEMIC PROJECT AND RESEARCH PUBLICATION

Mutual Fund NAV Prediction using cascaded SVM models   **July 2017– March 2018**
- Successfully created and analysed Mutual Funds Dataset for the 10 fiscal years
- Performed prediction of Net Asset Value using Support Vector Machine models
- Achieved 99.82% accuracy towards forecasting the model :https://ieeexplore.ieee.org/document/8529733

IoT Based Generalized Object Tracking System   **July 2016– April 2017**
- Developed an IoT based generalized object tracking system which can keep track of important belongings/objects in real time.
- BLE (Bluetooth Low Energy) modules were used as beacons, hence indoor tracking was made possible through RSSI (Received Signal Strength Indicators).
- Consequently, a trigger and an action was enabled by notifying the user on exit and entry through the android application.

Speaker Recognition on Apollo 11 Corpus : A Study using different Machine Learning Models **Aug 2019- Dec 2019**
- Performed Speaker ID on 183 speakers using KNN, CNN and i-vectors
- Achieved 85% Top-5 accuracy using CNN when compared to other models

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COMPETITIONS, LEADERSHIP & ORGANIZATIONS

ECE Department, PESIT– MENTOR   **March,2018**
Received an award for Mentorship at **KLUDGE 2018** - A 24 hour Technical Hackathon

TECHNICAL SKILLS

Languages: Python, R Programming,Matlab,C
Tools: Tensorflow, Dialogflow, PyTorch, Rstudio , OpenCV, Firebase, Numpy, Panda, Matplotlib, Kaldi

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Eligibility: Eligible to work in the U.S. for internships and for full-time employment for up to 12 months or 36 months (STEM only) without sponsorship