K Simran

Aspiring Data Scientist

To become a full-time data scientist in a reputed company for getting a chance to apply my knowledge and skillset in real-life scenarios, while getting opportunities to learn and develop myself in the process.

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📱 9491875192

SKILLS

Machine learning

Deep learning   NLP

Computer vision

Data frame   SQL

Data Analysis

PROGRAMMING LANGUAGES

Python
● ● ○ ○ ○

c
● ● ● ○ ○

SQL
● ● ○ ○ ○

JAVA
● ● ● ○ ○

MATLAB
● ● ○ ○ ○

INTERESTS

GAN   Capsulenet

Scikit-learn

Keras, TensorFlow

PAPERS

Cost –Sensitive Deep Learning Framework and Visualization for Malware Classification
5th IEEE International Conference on Advanced Computing & Communication Systems,2019. ⇗

Deep Learning and Visualization for Botnet Detection in the Internet of Things of Smart Cities
Future Generation Computer System (under review)

PROFESSIONAL CERTIFICATES

Machine Learning - Coursera ⇗

Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning - Coursera ⇗

Structuring Machine Learning Projects - Coursera ⇗

PERSONAL PROJECTS

Human identification by Ear Recognition
- Identification of human with their respective ear alone using deep learning architecture by applying data augmentation on mobileNetV2 architecture. Achieved an accuracy of 90% with 155 subjects.

Fingerprint Classification
- Binary classification of fingerprint data set which classifies a finger into Live and Fake. A comparative analysis is done using various pre-trained architectures.

Arrhythmia Detection using ECG.
- Arrhythmia is detected using deep learning architecture.

Different Word Embedding Algorithms For Part-of-Speech Tags (Sanskrit, Hindi, and Telugu)
- A comparative study using different word embedding like word2vec, fasttext, and bert with three case studies namely, Sanskrit, Hindi, and Telugu. Used different machine learning algorithm for evaluation.

EDUCATION

M.Tech In Computational Eng. Focus on AI & ML
Amrita University

B.E in Information Technology
Osmania Univeristy

Courses
- AI based smart mirror