Aayush Kumar

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EDUCATION

SRM IST
B.Tech in Information Technology, GPA 7.2/10.0
May 2016 - Expected May 2020
In VI th sem as of now.
Chennai,TN,India

National Kaohsiung Normal University
Chinese Student, Grade 92/100
Dec 2017 - Feb 2018
Kaohsiung,Taiwan

Narayana Group of Educational Institutions
High School, Grade 95/100
May 2014 - May 2016
Hyderabad,TS,India

Johnson Grammar School I.C.S.E
Matriculation, Grade 80/100
May 2001 - May 2014
Hyderabad,TS,India

LINKS

Github:// **Aayush Kumar**
LinkedIn:// **Aayush Kumar**
Twitter:// **@Aayush Kumar**

COURSEWORK
- AI for Everyone
- Neural Networks and Deep Learning
- Improving Deep Neural Networks
- Structuring Machine Learning Projects
- Convolution Neural Networks
- Sequential Models
- Machine Learning, Stanford Online Initiative

SKILLS

PROGRAMMING
- Python • C/C++ • HTML/CSS
- Markdown• Java •JavaScript •SQL
- LaTeX

FRAMEWORK/LIBRARIES
- TensorFlow • PyTorch • Sklearn •Pandas
- Matplotlib •NLTK •Keras •Flask
- Numpy

TOOLS
- Sublime Text • Git •MS Visual Studio Code •GCP •AWS

PROJECTS

NEXT-TECH-READS
- The project recommends books which are based upon Age, Previous User rating(demography), Location and Emotion.The Emotions are being predicted by a Long Short Term Memory Neural Network over classic Glove data-set. The model's accuracy was over 80 per-cent

DEEP-CRYPTO-PREDICT
- Using the data for crypto-currency market analysis.Using LSTM Neural Network model which will use previous data of bitcoin and etherum prices to predict the next day's prices

LANE DETECTION
- Built a lane detection software for images using canny edge detector and Hough transforms in OpenCV

CONDITIONAL NEURAL PROCESS IMPLEMENTATION
- Paper re-implementation of the conditional neural process by Deep Mind. [https://arxiv.org/pdf/1807.01613.pdf]

NEURAL ARTISTIC STYLE TRANSFER
- Neural Algorithmic Artistic Style Transfer Tensorflow Implementation

INTERNSHIPS

RORODATA December 2018 - April 2019
Remote Internship
- Drafted a proposal for the internship, worked on designing an algorithm, Symbolic Aggregate Approximate exclusively for detecting anomalies within time series data-sets
- Designed and open-sourced a library exclusively for detecting anomalies in time series data-sets using Symbolic Aggregate Approximate

FANALYTIKS.COM June 2018 - July 2018
Bengaluru,KA,India
- Worked on building the companies first large scale NLP based application project
- Worked on delivering the companies first end-to-end visual attention based encoder-decoder Neural Image Captioning Model on classic MS-COCO data-set with an accuracy over 92 per-cent

RESEARCH • **Paper** :"Developing an integrative framework of artificial intelligence and block chain for augmenting smart governance".
- **Paper** :"SAX: An innovative outlook to time series representations".

AWARDS

2019	Paper accepted for publication at IJSER
2019	SRMIST Research day 2019 : Gold Medal
2018	Received a stipend of 300 USD from fanlytiks.com
2018	Received a scholarship of 700 USD from TEC
2018	SRMIST Research day 2018 : Silver Medal
2014	Best Speaker Inter House English Elocution Competition : Cup
2014	Best Speaker Debate J.G.S I.C.S.E : Gold Trophy
2014	Best Class Student J.G.S I.C.S.E : Gold Trophy

SOCIETIES

2017	Ambassador Taiwan Education Centre SRM-IST
2017	AI Research at Next Tech Lab