

# Aayush Kumar

www.aayushkumarjvs.ml  
aayushkumarjvs@gmail.com | (+91) 755-0167-729

## 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