

Aayush Kumar

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EDUCATION

- **SRM Institute of Science and Technology** Chennai, India
Bachelors of Technology in Information Technology 2016 - 2020

PROGRAMMING SKILLS

- **Languages:** Python, C++, Java, Javascript, Typescript, SQL, HTML, CSS/SASS
- **Technologies and Frameworks:** Tensorflow, Pytorch, Numpy, GCP

EXPERIENCE

- **RORODATA Technologies Pvt Ltd** Hyderabad
Data Science Intern December 2018 - February 2019
 - Designed and open-sourced a library exclusively for detecting anomalies in time series data-sets using Symbolic Aggregate Approximate.
- **Fanlytiks** Bangalore
Machine Learning Intern June 2018 - July 2018
 - Worked on building the companies first large scale NLP based application project, Wrote a python script to extract data-sets from JSON files.
 - Used Python based libraries like BeautifulSoup, Tweepy, Tensorflow, Numpy and completed the project with the help of GCP.
- **Next Tech Lab** Chennai
Lead Member January 2017 - February 2019
 - Lead weekly research paper reading groups, Collaborated with members to develop short and long term projects.
 - Was a mentor to many members and associates helping them in understanding concepts in AI, ML, DS, RL and guiding them to complete projects successfully.
 - Worked with Senior Board members and conducted workshops and events for the Lab and ACM SRM Chapter.

PROJECTS

- **Next Tech Reads** An attempt at developing a book recommendation system in Python with the help of AI and ML techniques. The books were recommended by the emotion, age, demography and location.
- **Lane Detector** Built a lane detection software for images using canny edge detector and Hough transforms. The software was designed in Python with OpenCV library and the images were taken by camera.
- **Deep Crypto Predict** Using the data for crypto-currency market analysis. Using LSTM Neural Network model which will use previous data of bitcoin and ethereum prices to predict the next day's prices.

PUBLICATIONS

- Aayush Kumar, Arjun Bahuguna and Sejal Mohata **SAX: An innovative outlook to time series representations**, Was accepted for publication in International Journal of Science and Engineering Research, (IJSER), February 21 – 28, 2019.
- Venkatesh R, Aayush Kumar, Yadhu Krishna and Projjal Gupta **Developing an integrative framework of artificial intelligence and block chain for augmenting smart governance**, Was a paper and prototype designed for augmenting smart governance with AI and Block Chain, February 21 – 28, 2018.

ACCOMPLISHMENTS

- **Winner** - SRM Research Day 2019.
- **Silver Medalist** - SRM Research Day 2018.
- **Participant** - Smart India Hackathon.

TEACHING/LEADERSHIP EXPERIENCE

- Conducted an IEEE Workshop on Basics of Web Development and Trends in Web Technology for college students (January 2018).