

# Anirudh Srikanth

## Machine Learning and Data Science Engineer

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### EDUCATION

#### NATIONAL INSTITUTE OF TECHNOLOGY, TRICHY, INDIA

B.Tech: Computer Science and Engineering

Graduated July 2020

Cum. GPA: 8.63 / 10

### SKILLS

#### PROGRAMMING

C++ • C • Python • JavaScript • Android  
• R • HTML • MySQL • Node.js • Express.js

#### TECHNOLOGY STACKS

• Tensorflow • Scrapy • PyTorch  
• Dash-Plot.ly • Tableau • Docker  
• Kubernetes • Spark • AWS  
• Google Cloud • Kaldi ASR

Familiar:

• LATEX • Verilog • Arduino  
• Github and Version Control • MatLab • NLTK

### CERTIFICATIONS

- JPMorgan Chase & Co. Virtual Experience Program | InsideSherpa
- Machine Learning | Stanford University
- Deep Learning and NLP | Udemy
- AWS Certifications | Udemy
- Docker and Kubernetes Mastery | Udemy
- Data Engineering, Big Data and Machine Learning on Google Cloud | Coursera
- Full Stack Web Development | Udemy
- Deep Learning AI | Coursera
- Spark for Data Analysis | Udacity

### PUBLICATIONS

- [1] S. Anirudh et al. Forecasting: Bayesian Inference Using Markov Chain Monte Carlo Simulation: Proceedings of ICoRD 2019 Volume 1, pages 215–228. 01 2019.
- [2] S. Anirudh et al. Extractive text summarization using dynamic clustering and co-reference on bert, 10 2020 ICCCS IIT Patna.

### WORK/RESEARCH EXPERIENCE

#### CONVIN.AI | MACHINE LEARNING ENGINEER - INTERN

August 2020 - Present | Bangalore ,India

- Working on conversation intelligence software based on Automatic Speech Recognition which records, transcribe and analyses sales calls.

#### SAMSUNG RESEARCH | STUDENT TRAINEE IN ON-DEVICE AI

May 2019 - July-2019 | Bangalore,India

- Worked on Improving the Compositionality of Multilingual Word Embeddings by reducing dependence on word order using word aligned and sentence aligned grammar.
- Carried out research in mapping multiple mono-lingual word embeddings into a shared space.
- Improved accuracy of Facebook-MUSE by altering the neural network architecture.

#### HTC GLOBAL SERVICES : ITMR | MACHINE LEARNING R&D INTERN

May 2018 - June 2018 | Chennai,India

- Applied Text Mining using Naive Bayes Classification and Support Vector Machines to perform Ticket Classification based on priority.
- Created a ChatBot prototype on Cornell Movies Dataset using Seq2Seq Algorithm using stacked LSTM's

#### TATA CONSULTANCY SERVICES LTD INNOVATION LABS | MACHINE LEARNING RESEARCH INTERN

November 2017 - Dec 2017 | Chennai,India

- Implemented MCMC(Markov Chain Monte Carlo) for forecasting in Supply chain Management
- Worked on Image Analytics for quality check at a plant floor.

### PROJECTS

#### SINGLE CELL RNA SEQUENCING | RESEARCH ASSISTANT

June - 2020 - Present | IIT Kanpur

- Implemented Deep Learning algorithms in parallel with Protein data using Pseudo time analysis to perform Single cell RNA Sequencing.

#### EXTRACTIVE TEXT SUMMARIZATION | PROJECT DEVELOPER

January 2020 - March - 2020 | NIT Trichy

- Performed K-means clustering altered to pick the optimal number of sentences from each cluster based on results of a regression model.
- Achieved a 41.9 F1 score using ROUGE in the summaries with the length of the summary dynamically created as a function of length of the story.

#### GRAM | LEAD ANDROID DEVELOPER

March - 2019 | NIT Trichy

- Created a QR based attendance manager application to speed the process of attendance in institutions with large student body.

#### HOSPITAL MANAGEMENT SYSTEM | LEAD WEB DEVELOPER

March - 2019 | NIT Trichy

- Developed the front-end and back-end of the website of a medical centre using HTML,PHP and MongoDB.