NATIONAL INSTITUTE OF TECHNOLOGY TRICHY

SHREENIVAS BHARADWAJ V
Male, Indian 19 years, Language: English

ACADEMIC BACKGROUND *CURRENTLY UNDERTAKING

Degree	Name of Discipline	Institution	Country	Date	Grade
10th SSE (senior secondary examination)	Middle School (Math, Science, Social Studies, English, Sanskrit)	Sir Sivaswamy Kalalaya School	India	2012	9.8/10
12th HSE (higher secondary examination)	High School (Math, Physics, Chemistry, Computer Science, English)	Vidya Mandir Mylapore School	India	2014	96.40%
B.TECH.	Computer Science	NIT Trichy	India	2014-18	8.48*/10

RELEVANT COURSES

- Probability Theory and Stanford Machine learning online course by Andrew NG
- Discrete Mathematics and Graph Theory
- Data Structures and Algorithms (Including Automata Theory)
- Computer Organization and Digital System Design
- Corporate Communication, Physics I-II, Chemistry I-II, Math I-II

ACADEMIC RESEARCH AND INDUSTRIAL EXPERIENCE

Position held	Organization	Department	Period
Summer Research Intern	International Institute of Information Technology Hyderabad	Language Technology Research Centre	2016/05 to 2016/07
Remote Research Intern	Indian Institute of Technology Delhi	Computer Science	2016/05 to 2016/08
Personal Research in Audio Processing	Null	Computer Science	2015/12 to 2016/05
App Developer	Delta, NIT Trichy	Computer Applications	2015/05 to 2018/05

*ALL PROJECTS IN GITHUB

DESCRIPTION OF ACTIVITIES AT ACADEMIC INSTITUTION

1. Worked on improving **Word Vector representations** and effects of word embedding on **Named Entity Recognition** in using **Recurrent Neural Networks**. Research paper applied for **ICON-2016** Conference. This work was done under Prof Manish Shrivastava in International Institute of Information Technology, Language Technology Research Centre Hyderabad.
2. Worked on Implementing the paper on **Granger Causality** to process **FMRI Brain images** via **Multivariate Autoregressive Larsen algorithm** in an efficient way on a GPU using **Cuda C++**. This work was done under Prof Rahul Garg in Indian Institute of Technology Delhi.
Link: **https://www.github.com/cheeni666/larsenMRI**
3. Worked on **Single Source Audio Separation** using two steps involving Segmented classification of audio using **Convolutional Neural Networks** (**semi-supervised**) and separating mixed audio segments into individual components using **Probabilistic Latent Component Analysis**.
4. MNIST digit recognition, Movie Recommender (collaborative filtering), Chess AI (mini-max)

AREAS OF EXPERTISE

Deep learning, Machine learning, GPU programming, NLP, Probability Theory, Android/Python/C++/Matlab/UNIX-bash/Javascript/PHP, Prolific in Libraries like tensor flow, scikit-learn, theano, numpy/scipy