MAMIDI RATNA ABHISHEK

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ABOUT ME

A self-motivated, hardworking graduate student, enthusiastic to learn new domains in the world of computing. Experience in research areas with good problem solving skills.

EDUCATION

Indian Institute of Information Technology SriCity, Chittoor	August 2015 - Present
Department of ECE and **Honors in Computer Science**	CGPA: 8.75/10
Ascent Junior College, Visakhapatnam	2013 - 2015
Senior Secondary in M.P.C	Percentage: 96.7%
Bhashyam Public School, Tanuku	2012 - 2013
S.S.C	Grade: 9.7

TECHNICAL STRENGTHS

Computer Languages	Python, C/C++, Java, HTML, CSS, Javascript
Software and Tools	Git
Operating Systems	Ubuntu, Windows, Android, VMWare
Frameworks	TensorFlow, Keras, Django
Libraries	Numpy, Scikit-learn, NLTK

TECHNICAL SKILLS

Natural Language Processing	Android Development
Machine Learning	Full Stack Web Development
Deep Learning	Database Management
Computer Vision	

PERSONAL SKILLS

Project Management	Team work
Leadership and Goal setting	Interpersonal skills

EXPERIENCE

Research Student, Undergraduate Honors in NLP, IIIT Sri City	August 2017 - Present
Teaching Assistant, IIIT Sri City	August 2016 - Present
Data Structures under Dr. Amitava Das	
Digital Electronic Circuits under Dr. Siva Prasad K	
Basic electronic circuits under Dr. Paul Braineard E	
Digital Logic Design under Dr. Siva Prasad K	
Summer Intern, Glosys, Chennai	May 2017 - July 2017

ACADEMIC ACHIEVEMENTS

Member of the **Deans list** for all 4 semesters in the institute till date.

Ranked in National Top 2% (amongst 1,400,000 candidates) in JEE Mains 2015

Ranked in the State-wise Top 0.4% (amongst 1,000,000 candidates) in State level Engineering competitive Exam (EAMCET)

RELEVANT COURSES

C Programming	Information Retrieval and basics of NLP
Data Structures	Computer Vision
Algorithms	Topics in Machine Learning
Computer Organization	Computer Communication Networks
Operating Systems	IT Workshop and IT Systems

ONLINE COURSES

· Machine Learning by Stanford University on Coursera.
· Neural Networks and Deep Learning by deeplearning.ai on Coursera.
· Improving Deep NNs: Hyperparameter tuning, Regularization and Optimization by deeplearning.ai.
· Convolutional Neural Networks by deeplearning.ai on Coursera.
· Python and Django Full Stack Web Developer Bootcamp by Jose Portilla

PROJECTS

Aspect Based Sentimental Analysis Codemix - Research   January 2018 - Present

· We have collected Twitter codemix data and annotated each word with HI/EN/UN, sentiment and aspect of that tweet. Working on Aspect Identification using NLP - DL methods. [NLP, ML, DL]
https://github.com/Abhishekmamidi123/ABSA-Codemix/

· Exploring different areas in the field of NLP and Deep Learning.
https://github.com/Abhishekmamidi123/NLP

Neural Artistic Style Transfer   February 2018 - Present

· A Deep Learning technique which is used to transfer the style of an image to the content image. [Computer Vision, DL]
https://github.com/Abhishekmamidi123/Neural-Artistic-Style-Transfer/
https://github.com/Abhishekmamidi123/Computer-Vision

Language Modelling, Perplexity and CMI on Codemix data   August 2017 - November 2017

· Calculated Trigram, Bigram, Unigram perplexities for codemix data. Calculated CMI for each tweet and categorized the data into 10 sets based on the CMI values and found the relation between Perplexity and CMI. [NLP]
https://github.com/Abhishekmamidi123/Natural-Language-Processing

Deep Learning CNN - AndrewNg course   September 2017 - November 2017

· Built a DL model for car detection using YOLO Architecture, Face recognition classifier, SIGNS classifier using ResNet Architecture. [Python, Keras, Tensorflow, Numpy]

Search Engine - Information Retrieval   August 2017 - November 2017

· This Search Engine gives the results based on the TF-IDF, phrase queries, cosine similarity techniques. A summary will be displayed for each result using LexRank. The News dataset is preprocessed and stored in the efficient way to display the results in real time. This dataset has nearly 4,00,000 documents. [IR, Python, NLP libraries, Django]
https://github.com/Abhishekmamidi123/Information-Retrieval

myVillage - Django   August 2017 - November 2017

· A dynamic Django project targeting farmers for the better visualization of their farms, wells, houses on the map. Used forecasting methods to predict the weather, market prices. A social platform is created where the farmers can post their problems.[Django, Bootstrap, Javascript, ML]
https://github.com/Abhishekmamidi123/myVillage-Django

Object avoidance Robot with live video streaming   January 2017 - April 2017

· We developed a robot with the live streaming feature which detects and avoids the objects on its way and it can be controlled from anywhere within the network.[IOT, python, opencv]

SOCIAL LINKS

Github: https://github.com/Abhishekmamidi123/
LinkedIn: https://www.linkedin.com/in/abhishek-mamidi-a7a982114/
Blog: https://abhishekmamidi.wordpress.com/
Quora: https://www.quora.com/profile/Abhishek-Mamidi-1