

# Likhitha Surapaneni

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## EDUCATION

International Institute of Information Technology, Bangalore	July 2019
Degree	Integrated Masters in Information Technology
Major	Data Science
CGPA	3.31/4
FIITJEE Saifabad	July 2014
Grade completion	12th grade
Percentage	96.1

## TECHNICAL SKILLS

AngularJS, Cypher, Django, Java, Keras, Matlab, Neo4j, Python, Pytorch, R

## WORK EXPERIENCE

<b>Visualising Phenotype Genotype Associations</b> <i>Aganitha Cognitive Solutions</i>	Aug 2019 - Ongoing
Extracting and transforming the phenotype and genotype data provided by UKBioBank in order to do selective visualizations	
<b>Multi-object Style Transfer</b> <i>Summer intern in Accenture labs</i>	May - July 2018 <i>Guide: Nitish Bharadwaj</i>
Worked with segmentation and image processing techniques to enhance style transfer	
<b>Forecasting Tool</b> <i>IBM Global Mentoring Program</i>	May - July 2017 <i>Guide: Kamal Mishra</i>
Worked with Time series data and developed a tool using R and Shiny to analyze the data and recommend a forecasting algorithm based on data analysis.	

## PROJECTS

<b>Indoor Mapping and Guiding</b> <i>Course: Master's Thesis</i>	Jan - July 2019 <i>Guide: Prof. G S Raghavan</i>
Using indoor house images captured by a <a href="#">Matterport</a> camera, developing a semantic map and with the help of this map, communicating natural language instructions to the user	
<b>Vision and Language Navigation</b> <i>Course: Project Elective</i>	Dec 2018 <i>Guide: Prof. G S Raghavan</i>
Given an agent in a <a href="#">Matterport simulator</a> , developing a model that takes in natural language textual instructions and predicts actions which navigate the agent to reach a destination	
<b>Visual Query Answering</b> <i>Course: Advanced Machine Perception</i>	Apr 2018 <i>Guide: Prof. Dinesh Babu</i>
Given an image and a question, developed a system that answers the question according to the image	
<b>Distributed Stochastic Gradient Descent</b> <i>Course: Distributed Computing</i>	Jan - Apr 2018 <i>Guide: Prof. Shrisha Rao</i>
Explored algorithms for parallel stochastic gradient descent and compare results by running neural networks on multiple datasets	
<b>Brain Tumor Segmentation and Classification</b> <i>Course: Machine Learning</i>	December 2017 <i>Guide: Prof. G S Raghavan</i>
Identified tumor region in a brain image by segmenting using watershed algorithm and then classifying as benign or malignant	

## ACHIEVEMENTS & LEADERSHIP

2019	TA for Machine Learning course in Tata Consultancy Services
2018	Selected for Amazon mentorship programme
2016 - 2017	I worked as Student Activity Coordinator(SAC).
2017	2nd runner up in IIITB-Hackmania series, Powered by NASSCOM.
2016	Won Basketball competition in Spandan(college sports fest).
2015-2019	I am one of the coordinators of AIKYAM, a social club in our college.