

# JAISURYA NANDURI

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## EDUCATION

### Master of Science in Computer Science

The University of Texas at Dallas

Richardson, USA

Aug 2019 - May 2021(exp)

### Bachelor of Engineering in Computer Science

BITS Pilani, Hyderabad Campus

Hyderabad, India

Aug 2014 - May 2018

## WORK EXPERIENCE

### Copart, Inc

Software Engineer Intern

Dallas, TX

Aug 2020 - Present

- Project Title - Full Stack Development for Membership Team.
- Implemented Wire Transfer Functionality for International Users on web platform.
- Designed Rest API to handle payment details for over 30,000 Premium Users.
- Technologies Used - JS, Java, AngularJS, SpringBoot, MariaDB

### CommScope Inc

Software Engineer Intern

Richardson, TX

May 2020 - Aug 2020

- Project Title : Smart Factory - Automating Labor Intensive Operations with AI and Robotics.
- Designed and Implemented Models that Achieved 95%+ Accuracy in classifying Fiber Errors and Automated tasks to save 200 man-hours per week with 96% resemblance to Human labor.
- Created and Implemented IoT Application to facilitate communication between host and data streaming sensor.
- Technologies Used: Python, Deep Learning, C++, Arduino, OpenCV, Tensorflow-Keras

### JustDial LTD

R&D Engineer

Bangalore, India

June 2018 - Aug 2019

- Project Title : Designing and Deploying Deep Learning Models for Voice Assistant and Chatbot in India's Largest Local Search Engine.
- Implemented a Convolutional Neural Net(CNN) to classify intent for short conversational queries which could redirect to various verticals depending on context.
- Led a team of 3 in a project to deploy voice assistant to production which could do speech-to-text and then text analysis for vertical redirection.
- Technologies Used : Python, Tensorflow, SpaCy, RASA, ChatterBot, DBPedia, Elastic Search

## PROJECTS

### Grocerrs - A Fully Functional Groceries Website MEAN Stack

May '20

Designed and Implemented a Full Stack, Fully Functional Grocery Delivery Website using MEAN Stack

### Seq2Seq Implementation Python, PyTorch, Anaconda

May '20

Implemented Seq2Seq Architectures with Increasing Complexity and Accuracy.

### ResNet-CNN Paper from Scratch Python, PyTorch, Anaconda

Apr '20

Wrote a Review Paper on ResNet and Implemented the Model from Scratch, comparing it to prevalent CNN architectures.

### Build your own SQL Java

Nov '19

Implemented a rudimentary database engine that is based on a simplified file-per-table variation on the SQLite file format.

## SKILLS AND CERTIFICATIONS

Frameworks:	AngularJS, Spring Boot, Django, MongoDB, Flask, Tensorflow, Keras, PyTorch
Coursework:	Machine Learning, Full Stack Development, Deep Learning, Information Retrieval
Certifications:	Deep Learning Specialization on Coursera, Machine learning
Languages:	Python, JavaScript, C, C++, Java, SQL
Tools:	Linux, Open Source, Git, CI/CD, Object Oriented Design, Database Design