

Jaisurya Nanduri

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| <https://github.com/Jaisu-1> | <https://jaisu1.dev> | Dallas, TX

Education

The University of Texas at Dallas, Dallas – TX, USA

Expected - May 2021

Master of Science in Computer Science

Cumulative GPA: 3.7/4.00

Related Coursework: Web Development, Convolutional Neural Nets, Database Design, Natural Language Processing, Big Data.

BITS Pilani, Hyderabad Campus, India

August 2014 - May 2018

Bachelor of Engineering in Computer Science

Related Coursework: Data Structures, Deep Learning, Object-Oriented Programming, Computer Networks.

Work Experience

Copart Inc., Dallas TX, US — Software Engineer Intern

August 2020 – Current

- Built Various Features and Stories for the Copart.Com Organization using **Full Stack Development** as part of the **Membership Team**.
- Implemented Wire Transfer Functionality for International Users on Web Platform using Spring Boot as part of the Payment 2.0 Project for over 6,000 Overseas users of Copart.com.
- Designed and Implemented **Rest API** to Process Payment Details and Perform ID Verification for over 30,000 New and Premium Users using Spring Boot, JSON and MariaDB.
- Technologies - JS, Java, AngularJS, SpringBoot, MariaDB, SQL, Git.

CommScope Inc, Richardson TX, US — Software Engineer Intern

May 2020 – Aug 2020

- Responsible for Automating Labor Intensive Operations with **AI** and **Robotics** as part of **Smart Factory Team**.
- Designed and Implemented Neural Net 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.
- Designed and Created an Automated GUI Software which could be used on the Factory Line by workers to Automate several time-consuming Manual Operations of Inspection, saving over 100 Man Hours per Week.
- Technologies - Python, Deep Learning, C++, Arduino, OpenCV, Tensorflow-Keras

JustDial Ltd, Bangalore, India — R&D Engineer

June 2018 – Aug 2019

- Responsible for Designing and Deploying Deep Learning Models for **Voice Assistant** and **Chatbot** in India's Largest Local Search Engine.
- Implemented and Deployed a **Convolutional Neural Net (CNN)** layer to classify intent for short conversational queries which could redirect to various verticals depending on context and deployed in production in use by over **100,000 users** per month.
- 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 - Python, Tensorflow, SpaCy, RASA, ChatterBot, DBPedia, Elastic Search

Projects

Personal Blog [🔗](#) - Go, Hugo, Travis, Vercel

Oct '20

- Designed and Deployed A Personal Blog using Travis CI/CD on Vercel.

Grocerrrs, A Fully Functional Groceries Website [🔗](#) - MEAN Stack

May '20

- Designed and Implemented a Full Stack, Fully Functional Grocery Delivery Website.

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.

Technical Skills

Programming Languages Python, JavaScript, C++, Java, C

Databases Relational (MySQL, MS SQL), Non-relational (Redis, MongoDB).

Web Development Django, Django-rest, Flask, ReactJS, REST, Spring Boot, ExpressJS, AngularJS

Machine Learning Pytorch, TensorFlow, Keras, Sklearn, NumPy, Pandas,

Other Skills Git, JIRA, AWS, Docker, Product Management, Research, Communication Skills.