Ashutosh **Hathidara**

Data Scientist · Machine Learning Developer

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"I want to be the best version of mine."

Education

Indian Institute of Information Technology, Design & Manufacturing, Kurnool   *Andhra Pradesh-India*

PURSUING B.TECH. IN COMPUTER SCIENCE AND ENGINEERING   *August, 2016 - PRESENT*

- Got a Merit-cum Means Scholarship which is given to top 10% students in University by MHRD,India
- CGPA : 9.70/10

Technical Skills & Expertise

- **Languages:** C, C++, Java, Advanced Python, Advanced C, HTML, CSS, JavaScript

- **Applied CS:** Machine Learning, Deep Learning, Data Science, Tensorflow, Keras, Rasa, Flask, Django

- **Core CS:** Data Structues, Algorithms, Operating Systems, DBMS, Computer Architecture

- **Tools:** Google Cloud Plateform, Amazone Web Services, Cognitive class labs, IBM Watson Studio, Microsoft Azure, Notebooks (Jupyter, Kaggle, Google Collab etc.), Unity3D, Android Studio

Experience

Delhivery Pvt. Ltd.   *Gurgaon, Haryana-India*

APPLIED DATA SCIENCE RESEARCH INTERN   *May 2019 - PRESENT*

- **Duration:** 5 Month
- Working on freight rate forecasting model for daily business use of the company. And to trace the seasonal changes in price of each possible origin and destination pair.
- I am also Working on the explanatory model which can impact daily business profit and density distribution of the daily shipments.
- I am also part of different other projects like Video Analytics, Document Validation and Deep learning based object measurements etc.

Intel Indexer   *Work From Home*

DATA SCIENCE INTERN   *Nov. 2018 - Dec. 2018*

- **Duration:** 2 Month
- I have created Supervised Learning model for time series analysis of stock prices.
- I have executed the task using LSTM Neural Networks of 4 Layers.
- They have deployed model generated by me and few other interns as real time working model.
- **Github Link :** https://github.com/ashutosh1919/Stock-Prediction-using-LSTM

Muffito Incorporation   *Work From Home*

ANDROID AND MACHINE LEARNING DEVELOPER   *May 2018 - October 2018*

- **Duration:** 6 Month
- Created Complete Android Application for locating Pub, Bar and beverage shops around you.
- I have implemented algorithms for Face Detection from Image.
- I was involved in the management team and data analyst of the company during marketing and handling software development.
- **Android App link on play store :** https://play.google.com/store/apps/details?id=com.muffito1.mobile

Indian Institute of Management, Ahmedabad   *Ahmedabad, Gujarat-India*

ANDROID & BACKEND DEVELOPER   *Nov. 2017 - Dec. 2017*

- **Duration:** 2 Month
- I was working in the incubation centre at IIM Ahmedabad. I was hired to make an android app for the start up FreeCopy Private Ltd.
- I have implemented file transfer on third party server and synchronous data transfer using Retrofit.
- **Android App link on play store :** https://play.google.com/store/apps/details?id=com.freecopy.userapp

Projects and Seminars

Universal Conversation Agent
Kurnool, Andhra Pradesh-India

Recurrent Neural Network in combination with AIML
Feb. 2019 - Apr. 2019

- This project is all about building a scalable chatbot which can talk in any context.
- RNN model is trained on movies dialog corpus and combined with AIML to give awesome results.
- **Link:** https://github.com/ashutosh1919/Universal-Conversation-Agent

Document Validation Automation
Gurgaon, Haryana-India

Deep Learning and NLP based Data Extraction
May 2019 - June 2019

- This Project is part of Ernst and Young Risk Innovation Challenge in which I have participated.
- We have developed Deep Learning based Optical Character Recognition and we used Regex and NLP concepts to validate the extracted information.
- **Link:** https://github.com/abhinavhinger12/ala

Survival Adventure 3D Game
Kurnool, Andhra Pradesh-India

Using Unity3D in combination with ShaderLabs with C#
May 2019 - June 2019

- The game was a single player game in which shooter was having 6 different type of weapons.
- Components and graphics was designed and rendered in Unity3D. Also, I have written C# scripts for all the functionalities of an agent.
- **Link:** https://github.com/ashutosh1919/Survival_3D_Game

Stock Price Prediction
Kurnool, Andhra Pradesh-India

Time Series Analysis for 32 companies
Sept. 2018 - Sept. 2018

- This Project is predicting stocks prices for 32 companies with error less than 1% using LSTM Networks.
- I have not used pre-built models. I have trained LSTM NN models for All 32 companies
- **Link:** https://github.com/ashutosh1919/Stock-Prediction-using-LSTM

Unsupervised Anomaly Detection
Kurnool, Andhra Pradesh-India

Click Stream Analysis of Website
Nov. 2018 - Dec. 2018

- I have made models on different algorithms to detect different types of anomalies.
- Algorithms involved are K-means clustering, Elliptic Envelope, Isolation Forest, One Class SVM and RNN.
- **Link:** https://github.com/ashutosh1919/Anomaly-Detection-in-Click-Stream-Data

Neural Artistic Style Transfer
Kurnool, Andhra Pradesh-India

Art generation using Deep Learning
Nov. 2018 - Dec. 2018

- This project is taking content image and style image as input and converting into new art such that content will be of content image and style will be of style image
- VGG-19 pre trained model was used with some modification in order to build the model for this project.
- **Link:** https://github.com/ashutosh1919/Neural-Style-Transfer

Image Compression
Kurnool, Andhra Pradesh-India

Machine Learning Project with implementation of algorithm
Aug. 2018 - Sept. 2018

- This Project contains the implementation of K-means algorithm to compress the image.
- K-means algorithm is an unsupervised learning algorithm and used to form clusters and used here for dimensionality reduction.
- **Link:** https://github.com/ashutosh1919/Image_Compression_ML_Python

Weather Bot
Kurnool, Andhra Pradesh-India

Machine Learning dialog flow and use of Rasa plateform
July. 2018 - Aug. 2018

- This is a chatbot which gives the weather conditions from the name of city or place deployed on slack.
- This project is using Rasa plateform to implement dialog flow using Rasa-Core and Rasa-nlu.
- **Link:** https://github.com/ashutosh1919/WeatherBot

Contextual ChatBot for shop
Kurnool, Andhra Pradesh-India

Machine Learning & Tenserflow
July. 2018 - Aug. 2018

- Project is built using tensorflow and tflearn and is a contextual bot for shop.
- If we provide large data in intents.json then it will learn to communicate in other coontexts too.
- **Link:** https://github.com/ashutosh1919/SampleChatBot

ChatUp - The Life is all about Interacting   *Chennai, Tamilnadu-India*

ANDROID COMPLETE MESSAGING AND CHATTING APP WITH NEW INNOVATIVE FEATURES   *Dec. 2017 - Mar. 2018*

- Project is completely Integrated by Firebase using various features as Authentication, Database, Analytics, Notifications etc.
- UI is built using XML and functionality is implemented in Java. I have used many platforms like OneSignal, Vidyo.io etc.
- **Link:** https://github.com/ashutosh1919/ChatUpProject.git

Certifications

- **Google Machine Learning Specialization**
- **Google Advanced Machine Learning Specialization**
- **Machine Leaning Course by Stanford University**
- **Deep Learning Specialization by deeplearning.ai**
- **Professional Data Science Course by IBM**
- **Advanced Data Science Specialization by IBM**
- **Transforming Big Data into Intelligent Actions by Microsoft Azure**
- **Android Application Development Course from AcadGild**

Achievements

- Got 2nd Rank in Smart India Hackathone 2019 Grand Finale, which was held in IIT Roorkee.
- Honored by director of University for the top academic performance.
- 2 Silver medals and 3 Bronze medal winner in hackerrank competitions with rating about 1950.
- 3rd Prize winner in the Android App Development Competition, Appathone
- Secured 12,421 Rank in IIT-JEE Advanced among 400,000 students.
- Secured 16,421 Rank in JEE Mains among 1,700,000 students.

Position of Responsibility

- Google Developer Student Club Core Member
- Placement Cell coordinator, Senior instructor and coordinator of Codigo Club in the institute.
- Campus Ambassador at InterviewBit, Coding Blocks, GeeksForGeeks, Awign, Pravega and Campus Coordinator at Engg Talks.
- Involved in Startups. Member of Software development, Marketing and Design team at Muffito Inc.

Extracurricular Activities

- Member of Social Service Group.
- Motivational writer, reader and blogger. **Blog Link :** ashutoshhathidara.wordpress.com
- Chess Player, Cricket Player, Competitive Coder