Chandra Shekar Reddy

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Education

• University of Texas at Arlington
Masters in Data Science, GPA: 3.6/4

January 2022 – May 2023
Arlington, TX

• JB Institute of Engineering and Technology
Bachelors in Electronics and Computers Engineering, CGPA: 7.28/10

July 2016 – September 2020
Hyderabad, Telangana, IN

Experience

• Open Box Digital and Emerging Technologies
Full Stack Developer and Machine Learning Engineer

October 2020 – November 2021
Bangalore, India

- Developed interactive web-based solutions by building database models, views, and APIs using Python, Node.js, PHP
- Utilized the Pandas library for statistical analysis and worked with the Python OpenStack API.
- Built, trained, and deployed machine learning models using the AWS SageMaker.
- Developed a PyTorch sentiment analysis model and created a gateway for accessing it from a website, utilizing techniques such as tsne and bag-of-words.
- Developed machine learning models using xgboost, Regression, SVC, Linear regression, Random Forest, XGBOOST, and KNN. Performed data imputation using the sci-kit-learn package of Python. Analyzed customer consumption behaviors and discovered the value of customers with RFM analysis; applied customer segmentation with clustering algorithms such as K-Means Clustering and Hierarchical Clustering.
- Performed data pre-processing tasks such as merging, sorting, scaling, finding outliers, missing value imputation, and data normalization, making it ready for statistical analysis.
- Worked in a fast-paced agile environment, attending sprint planning, retro, and mid-sprint review/product backlog review meetings to prioritize user stories and estimate points.

• Freelancer
Full Stack Developer, Machine Learning Engineer

August 2016 – September 2020
Hyderabad, India

- Developed Applications with Flutter for both IOS and Android Platforms.
- Created Frontend using technologies such as ReactJS, Angular, HTML/CSS, and Flutter.
- Built RestAPIs using backend technologies such as PHP, Node.js, and Python.
- Worked on applications with real-time communication using socket.io, Firebase Cloud Messaging, etc.,
- Created applications that transfer live video feed using HLS.
- Deployed applications to cloud services like Azure, AWS, Heroku, etc.,
- Managed a team of 5-6 people for large scaled app development.
- Trained and Deployed machine learning models on cloud platforms like Azure Sage Maker.

Programming Skills

- **Languages And Frameworks**: Python, Javascript, PHP, Dart, C#, Flutter, ReactJS, Angular, Flask, Django, Laravel.
- **Technologies**: Machine Learning, Deep Learning, GitOps, Networking, Cloud Computing, Distributed Systems, Linux, Git, NoSQL

Projects

- **MarchApp – Social Network Application**

  Dart, Flutter, PHP, MYSQL, Firebase, Redis, ReactJS

  - This application allows users to connect with people with similar interests and goals near them. It also has features like matching with people, scheduling reminders for goals, and real-time chat.
  - This application is implemented using Flutter for the front end, PHP in the back end, node.js, and socket.io for real-time communication, Redis for caching, firebase for notifications, crashlytics, analytics, etc.,

- **Smart Doorbell**

  Flutter, Nodejs, Firebase, HTTP Live Stream, Python, Raspberry Pi 3b+

  - This application works as a smart doorbell. It pairs with a raspberry pi which live-streams the camera feed to the application using the HTTP Live Stream.
  - The device also has a button that acts as a doorbell and when pressed it alerts the user with a push notification.

- **Grocery App**

  Flutter, Nodejs, PHP, Firebase, ReactJS, Socket.io

  - This is an E-commerce application with user, seller, and delivery applications. Users can place orders, pay for the order and track the progress of the order. The application curates the products based on the user location and their arrival time so the user can select the products that arrive quickly.
  - It also has an Admin Panel where the admins will be able to manage orders, products, users, sellers, and delivery agents.

- **Machine Learning from Scratch**

  Python, Numpy, Matplotlib, Sklearn, Machine Learning.

  - This project implements the machine learning algorithms from scratch. I have developed this project to get an in-depth understanding on some of the commonly used machine learning algorithms.
  - I have implemented the algorithms and the

Awards and Recognitions

- **Second Prize at VITHack 2019 | VIT, Vellore | Apr 2019**: Created a python application that will predict the performance of a company based on the news headlines from past given date
- **OpenDataGovHack2k17 Winner | Open Data Gov, Hyderabad | Nov 2017:** Created a website to help students find their best fit course for their career based on their MBTI personality trait and their hobbies
- **Megathon 2017, IIIT Hyderabad**: Won 1st Prize in the IBM Challenge for developing an IT Service Chatbot using IBM Watson and Microsoft Bot Framework.
- **Microsoft Student Partner | Microsoft | Sep 2017:** Got selected as MSP during 2nd year of bachelors which helped me gain hands-on experience on azure cloud and other Microsoft tools and applications.
- **AICTE All India Startup Contest 2017, Chennai**: Was one of the top 40 finalists across the Country.
- **IEEE SS12 National Level Competition 2017, Hyderabad**: Won the second prize for developing Dr.Bot, a healthcare assistant.