Mahitha Chodavarapu

mahitha2799@gmail.com

9398475819

linkedin.com/in/mahitha-chodavarapu

github.com/mahithachodavarapu

EDUCATION

Master of Science in Information Technology,
CIHL-JNTUH
2020 – 2022

Bachelor of Technology, *JBREC*
2016 – 2020
CGPA - 7.48

SSC, *Srinivasa High School*
2014
GPA - 9.0

VOLUNTEER WORK

Make a Difference (NGO),
Academic Support Volunteer
Hyderabad, India

CERTIFICATIONS

- **Coursera**- Introduction to Machine Learning
- **Udemy**- Python programming
- **IEEE**- Cryptography Fundamentals
- **Microsoft AI** Classroom Series Assessment.
- **Quantum Computing** - Coding School's Qubit by Qubit Introduction to Quantum Computing course with IBM Quantum. 2021 Jan - 2021 May.

ACCOMPLISHMENTS

- Won first prize in the start-up idea pitching competition.
- Successfully organized 3 technical fests in our college.
- Won the first prize in a debate which was conducted in our college

OBJECTIVE

To obtain a position in an organization to leverage my high-quality education from JNTUH and skills gained during an internships. Possess a Master's degree in Information Technology and a broad understanding of computing technologies.

SKILLS SUMMARY

Machine Learning
- Understood and Implemented the supervised and unsupervised learning algorithms.
- Implemented Data Mining models such as Simple Regression and Logistic Regression, KNN using python programming.
- Possess a solid understanding of algorithms such as Perceptron, Decision tree, and Linear Regression.

Python Programming
- Good understanding of various Python libraries like Pandas, Numpy, Scipy, Matplotlib, Seaborn, NLTK, and Gensim,sci-kit-learn.
- Worked on Data Preprocessing using python as part of the internship at Orbit Shifter Inc.
- Expertise in logic building and writing optimized code in python.
- Developed a “Random image shuffle game” as a part of the CSPP course.

Java
- Responsible for designing and developing a “Bank Management Application.”
- Solid fundamentals in OOPs concepts.
- Utilized object-oriented programming and Java for creating business logic
- Performed code review, testing using JUNIT.

ACADEMIC PROJECTS

Title: Face Classification & Verification using Convolutional Neural Networks
- **Organization:** Turnkey Learning
- **Description:** Used Convolutional Neural Networks (CNNs) to design an end-to-end system for the classification and verification of images. In the classification task, given an image of a face as input, got the ID of the face as output . For the verification task, given two images as inputs and got a score that quantifies the similarity between the faces in the given images as the output.
- **Technologies used:** Python Programming, Deep Learning.

Title: Frame Level Classification of Speech
- **Organization:** Turnkey Learning
- **Description:** Provided a dataset of audio recordings (utterances) and their phoneme state (subphoneme) labels, generated predictions for the phonemes of the test set using feedforward neural networks.
- **Technologies used:** python programming, Deep learning.
- **Libraries used:** PyTorch, numpy.

Title: My torch
- **Organization: Turnkey Learning**
- **Description:** Developed my own version of custom deep learning library,called MyTorch. It acts similar to PyTorch.
- **Libraries used:** NumPy
- **Technologies used:** Python programming, Deep learning.

LANGUAGES

English • Hindi • Telugu

Title: User Vitality Ranking and Prediction in Social Networking Services

- **Goal:** To predict the activeness of a person on social media.
- **Organization:** Joginpally B R Engineering College.
- **Role:** Team Leader.
- **Team size:** Worked in a team of four members.
- Technologies used: HTML, CSS, JavaScript, Java.
- **Description:** Worked on javascript. Deployed a website that servers as a platform to communicate. This website collects user data and predicts user vitality on the website.
- **Algorithms used:** Initial Ranking Algorithm and Iterative Ranking Algorithm

Title: A Secure Approach for Data Hiding Using Visual Cryptography

- **Goal:** Share confidential images over networking in a secure way
- **Organization:** Joginpally B R Engineering College.
- **Role:** Team Leader.
- **Team size:** Worked in a team of four members.
- **Description:** I worked on backend development. Developed a website that can be used as a platform to share images online in a secure way. Gained knowledge of JavaScript.
- **Technologies used:** HTML, CSS, JavaScript, Java.

INTERNSHIPS

Product Development Intern, *at Turnkey Learning*

- Gained profound understanding of deep learning concepts such as Gradient Descent, Backpropagation,Batch Normalization,Dropout, etc.
- Built a model that can predict the lable for the given phoneme
- Worked on building an optimized model that predicts the cosine similarity between two images using CNN.
- Gained thorough understanding of latest deep neural networks (CNN/RNN networks such as ResNet, LSTM etc) and their applications.
- Got a hands on experience in Deep Learning framework such as pytorch and also implemented our own version of pytorch.

Data Preprocessing, *at Orbit Shifter Inc.*

- Worked on data cleaning and ensure data quality, consistency, integrity using Numpy and Pandas.
- Worked on Data annotation using label IMG tool.
- Worked with the team to ensure that data is delivered and processed to agreed schedules.

Election Portal Website Development,
at National Informatics Centre (NIC)
Apr 2019
Worked on planning and designing the structure of "Election Portal Website". Developed website features that enhanced the user experience.

DECLARATION

I hereby declare that all the details mentioned above in my resume are correct and accurate.

Mahitha Chodavarapu
Hyderabad