

Mahitha Chodavarapu

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🎓 EDUCATION

Master of Science in Information Technology,
Jawaharlal Nehru Technological University, Hyderabad

2020 – 2022

Specialization: Information Technology

Relevant Courses: Python, Data Science, Machine Learning, NLP, Java, Data Structures and Algorithms, Databases, Computer Networks, React JS.

Bachelor of Technology,
Joginpally B.R. Engineering College

2016 – 2020

Specialization: Computer Science Engineering

CGPA: 7.48

Relevant Courses: Programming in Python, Web technologies, Java Programming, Cloud computing, Computer Networks, Databases, Operating Systems, Data Structures, and Algorithms

Intermediate,

Sri Chaitanya Junior College

2014 – 2016

Specialization: Maths, Physics, Chemistry

Percentage: 83%

SSC, Srinivasa High School
2014

GPA: 9.0

🤝 VOLUNTEER WORK

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

🎯 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

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.

Deep Learning

- Possess a solid understanding of deep neural networks (CNN/RNN networks such as GoogleNet, ResNet, LSTM, etc) and their applications
- Hands-on experience in Deep Learning framework such as PyTorch
- Good understanding and interest in different gradient descent methods

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.

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.



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



LANGUAGES

English, Hindi, Telugu

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.

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 serves 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.



INTERSHIPS

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 label 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.



DECLARATION

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

Mahitha Chodavarapu
Hyderabad