

Mahitha Chodavarapu

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🎓 EDUCATION

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

2020 – 2022

Specialization: Machine Learning

CGPA: 9.2 (until now)

Relevant Courses: Supervised learning, Unsupervised learning, Deep learning, Reinforcement learning, Python, Data Science, Natural language processing, 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: Data mining, Data analytics, 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