

Amarnadh Reddy Mettu

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EDUCATION

NEW YORK UNIVERSITY, Tandon School of Engineering, Brooklyn, NY

January 2024

Master of Science, Computer Engineering, GPA 3.889/4.0

Computer System Architecture, Database Management Systems, Machine learning, Big Data

GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING, Visakhapatnam, India

August 2019

Bachelor of Technology, Computer Science and Engineering , GPA 8.62

TECHNICAL SKILLS

Java, Python, CSS, HTML, JavaScript, SQL, MongoDB, Agile
Windows, Git, GitHub, Visual Studio, TensorFlow, NumPy, PowerBi

PROJECTS

SAFE BANK MANAGEMENT SYSTEM (Python, MySQL, Streamlit)

January – May 2024

- Designed and implemented a relational database for a banking application, improving data integrity and operational efficiency. Utilized MySQL for database management and Python with Streamlit for interactive web applications. Enhanced security with password encryption and SQL injection prevention. Conducted data analysis and process improvements, collaborating effectively with a team.

SENTIMENT ANALYSIS USING BERT (Python)

January – April 2023

- Created a model that predicts the sentiment of a review given by the user. Leveraged TensorFlow and PyTorch, two leading deep learning frameworks, to design and refine the sentiment analysis model's performance. Engineered the model through training on Kaggle datasets, ensuring comprehensive data.

MOVIE RECOMMENDATION SYSTEM (Python)

August – December 2022

- Developed a collaborative filtering-based movie recommendation system that generates personalized film suggestions based on user input. Utilized Python and Cosine Similarity Algorithm for personalized suggestions. Created an interactive user interface using Streamlit Framework, enhancing user engagement.

EXPERIENCE

MACHINE LEARNING VIRTUAL INTERNSHIP

October – December 2021

- Acquired practical experience in employing advanced machine learning algorithms to solve real-world business challenges.
- Demonstrated hands-on expertise in labelling, building, training, and deploying ML models

TRAINED IN DIGITAL NURTURE PROGRAM BY COGNIZANT

April – June 2022

- Gained in-depth expertise in Database Management Systems (DBMS) and advanced Structured Query Language (SQL) operations.
- Strong foundation in cloud computing fundamentals and proficiency in basic programming

CERTIFICATIONS

- Completed an SQL course offered by the University of Michigan on Coursera. May 2022
- Completed Programming with Python by Microsoft . April 2022
- Completed Talentnext course on Java J2EE conducted by WIPRO. November 2022

ACTIVITIES

Member, UiPath Community of Gayatri Vidya Parishad

August 2020 – May 2023

Member, ROTRACT CLUB

September 2019 – May 2023