

# RUHIKA MANYAM

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## EDUCATION

### CMR College Of Engineering And Technology

*Bachelor of Technology, Artificial Intelligence And Machine Learning*

Hyderabad, IN

Nov. 2022 – Present

## EXPERIENCE

### Undergraduate Research Assistant

*Texas A&M University*

June 2020 – Present

*College Station, TX*

- Developed a REST API using FastAPI and PostgreSQL to store data from learning management systems
- Developed a full-stack web application using Flask, React, PostgreSQL and Docker to analyze GitHub data
- Explored ways to visualize GitHub collaboration in a classroom setting

### Information Technology Support Specialist

*Southwestern University*

Sep. 2018 – Present

*Georgetown, TX*

- Communicate with managers to set up campus computers used on campus
- Assess and troubleshoot computer problems brought by students, faculty and staff
- Maintain upkeep of computers, classroom equipment, and 200 printers across campus

### Artificial Intelligence Research Assistant

*Southwestern University*

May 2019 – July 2019

*Georgetown, TX*

- Explored methods to generate video game dungeons based off of *The Legend of Zelda*
- Developed a game in Java to test the generated dungeons
- Contributed 50K+ lines of code to an established codebase via Git
- Conducted a human subject study to determine which video game dungeon generation technique is enjoyable
- Wrote an 8-page paper and gave multiple presentations on-campus
- Presented virtually to the World Conference on Computational Intelligence

## PROJECTS

### Medical Chatbot | *Streamlit, Machine Learning, Jupyter Notebooks, Llama2*

Date or Time Period

- Developed a chatbot using Streamlit for real-time medical consultations and advice
- Implemented machine learning models to diagnose medical conditions based on user input
- Utilized Jupyter Notebooks for data preprocessing, model training, and evaluation
- Integrated various NLP techniques, including Llama2, to enhance the chatbot's understanding of medical queries
- Deployed the application to a cloud platform for accessibility and scalability

### SAVAARI | *Html, Css, NodeJs, Mysql*

December 2023 - February 2024

- Developed a full-stack web application for pre-booking of parking slots in Malls, Offices or any place with huge parking spaces
- Designed and optimized database schemas for efficient data storage and retrieval

## TECHNICAL SKILLS

**Languages:** Java, Python, C/C++, SQL, JavaScript, HTML/CSS,

**Developer Tools:** Git, Google Cloud Platform, VS Code, Visual Studio, Eclipse

**Libraries:** pandas, NumPy, Matplotlib, sci-kit learn, TensorFlow, Keras