

## Education

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CMR Engineering College, Telangana  
B.Tech - Computer Science (AI & ML)

2026  
CGPA: 8.1

## Experience

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### AI Intern

IBM

Feb 2024 – Mar 2024

- Optimized AI models by analyzing classifiers for improved accuracy.
- Applied machine learning techniques to enhance model performance.
- Collaborated with team members to implement optimization strategies.

### Secretary, IEI - Student Chapter

CMR ENGINEERING COLLEGE

Mar 2024 – Present

- Managed logistics, documents, and event coordination.
- Led efforts to streamline operations and ensure event success.
- Organized technical workshops and seminars in collaboration with team members.

## Projects

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### Chatbot with SQLite Logging

- Built an intent-based chatbot using Python with NLP techniques.
- Utilized NLTK for text preprocessing and scikit-learn's TF-IDF vectorization for classification.
- Implemented SQLite database integration to log user conversations.
- Debugging included probability distribution outputs to aid model tuning.

### Cardiac Arrest Prediction in Newborn Babies

- Developed a predictive ML model for early detection of cardiac arrest in newborns.
- Processed health data and integrated MongoDB for storing patient records.
- Built an API using Flask for model interaction and logging predictions.
- Used visualization tools like Matplotlib and Seaborn to analyze trends.

### Handwritten Digit Recognition Web App - AI-Powered Classification

- Implemented a Convolutional Neural Network (CNN) to classify handwritten digits (0-9).
- Achieved 97% accuracy on MNIST dataset.
- Developed a web interface using Flask for real-time digit recognition.
- Deployed model for public access on platforms like Render/Heroku.

## Skills

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### Core Skills

Machine Learning & AI

Frameworks & Libraries

Databases

Tools & Platforms

DSA, Data Preprocessing, Data Analysis, Data Visualization

Machine Learning, Deep Learning, NLP, Model Optimization

TensorFlow, Scikit-learn, Flask, Streamlit, Pandas

SQLite

GitHub, Streamlit Cloud

## Certifications

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Machine Learning with Python

Bronze Certificate

PHP and MySQL Training

Young Professional on Soft Skills

IBM

Smart Interviews

IIT Bombay

TCS iON Career Edge