

RISHIKA SRI GADDAM

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[LinkedIn](#)

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EDUCATION

University of North Carolina at Charlotte Master of Science in Computer Science

Jan 2025- May 2026
CGPA:4/4

Relevant Courses: Data Structures and Algorithms, Big Data Analytics, Software System Design and Implementation, Principles of Information Security and Privacy, Artificial Intelligence, Applied Artificial Intelligence, Applied Databases, Data Mining

Osmania University

Nov 2020 – July 2024

Bachelor of Engineering in Computer Science and Engineering

CGPA: 8.86/10

Relevant Courses: OOP Using JAVA, Software Engineering, Data Science, Artificial Intelligence, Information Security, Operating Systems, Database Management Systems, Design and Analysis of Algorithms, Machine Learning

SKILLS

Programming Languages: Python, C, JAVA, Git, R

Technologies: HTML5, CSS, JavaScript, ReactJS, Angular, TypeScript, Web API, Matlab, MERN Stack

Databases: MySQL, MongoDB, PostgreSQL

Networking Protocols: HTTP, TCP/IP, DNS, OSI Model

Machine Learning Tools: NumPy, Matplotlib, OpenCV, PyTorch, Keras, Scikit-learn, Pandas

Development Methodologies: Agile(scrum)

Cloud Technologies: AWS

EXPERIENCE

Exposys Data Labs

Sep 2024 – Oct 2024

-Data Science Intern

Developed a robust Diabetes Prediction system with 97% accuracy using Python Flask and deployed an intuitive HTML/CSS interface for seamless real-time predictions.

CyberEkta

May 2023 – Jun 2023

-Cloud Intern

Built a dynamic MERN stack web application for connecting farmers with customers, enabling efficient product listings, transactions, and location-based product searches.

PHN Technology Pvt Ltd

Apr 2023 – Jun 2023

-Data Science Intern

Applied ML algorithms (Linear Regression, Decision Trees, k-NN) using NumPy and Pandas for predictive analysis and performed comprehensive data preprocessing to enhance model accuracy.

PROJECTS

RAG-Based AI Assistant - Python, GPT-4, Pinecone, LangChain, Streamlit, FastAPI

May 2025

-Built a Retrieval-Augmented Generation (RAG) system to enhance LLM responses with domain-specific data.
-Integrated vector search (Pinecone), dynamic prompt augmentation, and GPT-based generation.

Face Mask Detection & Alert System - Python, CNN, VGG-16, MobileNetV2, OpenCV, IoT

Feb 2025

-Developed a deep learning model for real-time face mask detection using CCTV footage.
-Integrated an email alert system to notify authorities upon detecting mask violations.

HemoHub - JavaScript, MERN Stack, Mongoose, JWT Authentication

Apr 2024

- Developed a comprehensive blood bank management system featuring donor registration, inventory tracking, secure JWT authentication, and integrated Twilio SMS alerts for real-time notifications.
- Implemented role-based access control to ensure data security for admins and donors.

Image Caption Generator - Python, Flask, HTML, CSS, Keras, NumPy, NLP, CNN, LSTM

Aug 2022

- Built an AI-powered tool using CNN and LSTM models to generate accurate image captions, implementing greedy and beam search methods, and enhancing accessibility with OpenCV image processing.
- Optimized model accuracy using advanced data preprocessing, fine-tuning techniques, and evaluated performance with the BLEU score for caption accuracy.

CERTIFICATIONS

- Scored **81%** on the NPTEL programming in Java exam.
- Completed a **national workshop on NLP with Python**.
- Executed the "**Fresh Farm**" project under **Cyber Ekta Security Solutions**.
- Completed **Java Training** under the **Spoken Tutorial initiative**.
- Finished the **Oracle Database Programming with SQL** course.
- Solved **200+ DSA problems** on **GeeksforGeeks** and **LeetCode**.
- Certified in **Cyber Security Intro, Essentials, and Networking Essentials** from **Cisco Networking Academy**.