RISHIKA SRI GADDAM

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EDUCATION

University of North Carolina at Charlotte   Jan 2025 – May 2026
Master of Science in Computer Science   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 – Jul 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, Pandas, Matplotlib, OpenCV, Keras, Scikit-learn, OpenAI API, GPT 4, LLM
Development Methodologies: Agile (Scrum)
Cloud: AWS

EXPERIENCE

Exposys Data Labs
Data Science Intern   Sep 2024 – Oct 2024
- Developed a Diabetes Prediction system using Python Flask and Logistic Regression, achieving 97% accuracy, with a user-friendly HTML/CSS interface for real-time health predictions. Applied Pandas, NumPy, and Scikit-learn for data processing, model evaluation, and backend ML integration, strengthening full-stack and ML deployment skills.

CyberEkta
Intern   May 2023 – Jun 2023
- Designed a MERN-based web application connecting farmers to customers for fresh produce, integrating MongoDB for data management, secure ordering, and product listings, and deployed on Azure. Collaborated in an agile team, enhancing full-stack development, cloud deployment, and end-to-end user experience skills.

PHN Technology Pvt Ltd
Data Science Intern   Apr 2023 – Jun 2023
- Performed data cleaning, preprocessing, and analysis using Pandas and NumPy, implementing ML algorithms like Linear Regression, Decision Trees, and k-NN for real-world problems. Developed practical ML problem-solving skills and effective communication of insights, bridging theory and application in data science projects.

PROJECTS

RAG-Based AI Assistant - Python, GPT-4, Pinecone, LangChain, Streamlit, FastAPI   May 2025
- Built an AI-powered assistant using Retrieval-Augmented Generation (RAG) with GPT-4, integrating vector search, dynamic prompt augmentation, and a FastAPI backend to provide accurate, context-aware responses.

HemoHub - JavaScript, MERN Stack, JWT, Twilio   Apr 2024
- Developed a MERN stack Blood Bank Management System to streamline blood donation and request management, featuring donor/recipient dashboards and secure JWT-based authentication. Integrated Twilio SMS alerts for real-time notifications, enhancing user communication and gaining experience in secure web app development and user management.

FreshFarm - MERN Stack, JavaScript, HTML, CSS   May 2023
- Built a dynamic MERN stack web application connecting farmers with customers, allowing them to browse products from different farms, view exact prices and fresh stock, place orders, and get home delivery.

Image Caption Generator - Python, Flask, HTML, CSS, Keras, NumPy, NLP   Aug 2022
- Implemented an AI-powered image captioning system combining CNN for feature extraction and LSTM for natural language generation, optimized with BLEU evaluation for accurate and fluent captions. Integrated OpenCV for image preprocessing and Keras for model training, gaining hands-on experience in deep learning and bridging computer vision with NLP.

CERTIFICATIONS

- NPTEL Programming in Java (81%)
- Workshop on NLP with Python
- Oracle Database Programming with SQL
- Java Training – Spoken Tutorial
- Solved 200+ DSA problems on GeeksforGeeks and LeetCode
- Certified in Cyber Security Intro, Essentials, and Networking Essentials from Cisco Networking Academy