

Harika Yarlagadda

612-704-2911 | harika.yarlagadda2002@gmail.com | linkedin.com/in/haarika-yarlagadda | harikayarly.github.io/Harika/

Education

University of Minnesota Duluth

Master of Science in Computer Science - CGPA: 3.87/4.00

Aug' 2023 - May 2025

Duluth, MN

Bapatla Engineering College

Bachelor of Technology in Computer Science and Engineering - CGPA: 9.58/10.0

Aug' 2019 - Apr' 2023

Andhra Pradesh, India

Technical Skills

Languages: Python, Java, C, C++

Data Science/ML: Machine Learning, Artificial Intelligence, Deep Learning, Power BI

Web/Backend: JavaScript, Node.js, React, HTML/CSS, MySQL, Django

Tools/Frameworks: Git, Android Studio, AWS (Basics), Hadoop, VS Code, MS Office tools

Concepts: OOP, DSA, Software Design Principles, Agile & Sprint Planning

Soft Skills: Team Collaboration, Public Speaking, Problem-Solving, Proactive Learning

Project Experience

Real-Time Workflow Summarization | Node.js, Gemini CLI, PostgreSQL, HTML

Ongoing

- Create and deploy a unique Node.js MCP server that is connected to the Gemini CLI. It will keep an eye on designated directories or code repositories, handle system and performance logs, and reply to CLI tool requests with field-specific, AI-powered summaries and analyses, to enhance efficiency and cooperation for researchers, developers, and students.

Online Banking System | Java, SQL

- Developed a Banking System application using Java and MySQL to manage customer accounts and track transactions in real-time. Implemented a secure database solution to store customer information and transaction histories, ensuring timely updates as new transactions occur.

Auto Insurance Customer Churn Detection | Machine Learning, Python

- Designed and assessed machine learning models incorporating Random Forest, reaching 74% accuracy on a dataset of customer records through data wrangling, preprocessing, and hyperparameter tuning. developed proficiency in predictive analytics, feature engineering, and model evaluation measures (such as AUC-ROC).

BulldogOnBoard | Flutter, Figma, Git, Sprint Planning, UI/UX Design

- In order to streamline the onboarding process for recently enrolled students, a mobile application using Flutter was developed to offer a centralized platform for accessing academic assistance, event information, and campus services.

Research and Professional Experience

Graduate Research Assistant

Aug' 2024 - May 2025

University of Minnesota Duluth

Duluth, MN

- * Developed a HIPAA-compliant, non-intrusive monitoring system for real-time tracking of parent-infant interactions in the NICU and achieved 70% strong approval in surveys. Utilized Python Django for secure data transformation and storage, and Java for mobile app development with automated camera control and location tracking.

Graduate Teaching Assistant

Aug' 2023 - May 2024

University of Minnesota Duluth

Duluth, MN

- * Supported C++ programming courses, helped students on debugging, optimization, and core concepts including DSA.

Web Developer Intern

May' 2022 - June 2022

Exposys Data Labs

Bengaluru, India

- * Created a secure, responsive e-commerce online application with capabilities for order management, cart management, dynamic product listings, and user authentication utilizing JavaEE, HTML, CSS, and JavaScript.

Certifications & Professional Development

Virtual Experience Programs (Forage) | Jan 2025

BCG GenAI: Built financial chatbot from 10-K/10-Q data using rule-based logic.

Goldman Sachs: Simulated IT security analysis for governance assessment.

PwC Power BI: Designed KPI dashboards tailored to client needs.

Online Courses:

Responsible AI (Google Cloud, Jan'25) | **Generative AI with LLMs** (AWS, Aug'24) | **Introduction to Generative AI** (Google Cloud, May'24) | **Machine Learning - Specialization** (Stanford University, Jan'24)