HARSHINI KODALI

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Professional Summary

Seeking an enriching opportunity in a renowned organization to further enhance my knowledge, skills, and expertise.

Education

- **University of Houston, Cullen College of Engineering** *Jan.2024 - Dec.2025*
  Masters in Engineering Data Science, GPA: 3.83/4.0 Houston, Texas
- **Vel Tech University** *July.2019 – Jun.2023*
  Bachelors in Computer Science and Engineering, GPA: 3.9/4.0 Chennai, TamilNadu

Experience

- **UNIVERSITY OF HOUSTON** *Aug.2024 - Dec.2024*
  Research Assistant Houston
  – My role involves analyzing data for ongoing laboratory projects, specifically focused on datasets from small molecule screenings and molecular genetics studies related to chronic inflammatory diseases and cancers.
- **COGNIZANT** *Jan.2023 - Dec.2023*
  Java Full Stack Developer Chennai
  – Made significant contribution to the development of the Trip-Management project, showcasing my proficiency in AngularJS, Java, Spring Boot, and MySQL.

Projects

- **Voice-Enabled Order Bot using LLMs, Flask, and Twilio** *Feb.2025 - Ongoing*
  AI/ML + Web + Voice
  – Built an intelligent voice assistant bot that takes customer orders via phone calls using **Twilio Studio, Flask API,** and **LLMs.**
  – Utilized LangChain to manage conversation flow and memory, and integrated fallback responses for error handling.
  – Designed the end-to-end pipeline from speech-to-text to LLM processing to backend database update.
- **Zynema – Netflix Clone with ML-Powered Recommendation System** *Jan.2024 - May.2024*
  Personal Project
  – Developed a full-stack streaming platform inspired by Netflix using **React, BootStrap CSS,** and **FireBase.**
  – Integrated a machine learning–based recommender system using collaborative filtering to personalize content for each user.
  – Implemented features such as user authentication, search, watch history, and personalized homepage.
- **Sorting Visualizer** *Jan.2023 - Apr.2023*
  Major Project https://shorturl.at/ZVz1l
  – Created a powerful tool to visually demonstrate various sorting algorithms using **Javascript**, bringing data to life through captivating animations.
  – Developed an impactful sorting algorithm visualization tool, employing dynamic animations to vividly showcase algorithmic processes.
- **Early Prediction of Diseases using Machine Learning Techniques** *Oct.2022 – Dec.2022*
  Minor Project https://youtu.be/R9Muvij9abU
  – Training the model with a mutli-disease dataset with four different Supervised ML algorithms.
  – Built a GUI using **Jupyter Notebook** in python language.
  – This helped users to get their disease predicted earlier by entering the symptoms.

Skills Summary

- **Languages**: Python, Java, JavaScript, SQL.
- **Frameworks & Libraries**: Scikit-learn, TensorFlow, Pandas, NumPy, NLTK, Node.js, React.
- **Tools & Platforms**: Jupyter Notebook,VS Code, PyCharm, Eclipse, MySQL, Oracle, XAMPP, Git.
- **Soft Skills**: Teamwork, Adaptability, Problem Solving, Patience, Time Management.

Certificates

- **Getting Started with Deep Learning**, by NVIDIA *Apr.2025*
- **Scientific Programming with Python**, by HPE *Mar.2025*
- **AWS Academy Graduate-AWS Academy Machine Learning**, by AWS Academy *Mar.2025*