

SINDHUJA YERRAMALLA

+1 9012181321 | yerramallasindhuja902@gmail.com | [GitHub](#) | [LinkedIn](#) | [Portfolio](#)

OBJECTIVE

Highly motivated STEM graduate with strong technical skills and a passion for technology, seeks a challenging role in your organization. Excellent communicator, problem solver, and adaptable team player committed to continuous learning and professional growth.

EDUCATION

University of Memphis, Memphis, TN

January 2022 – December 2023

Master of Science in Computer Science

GPA: 3.97/4.0

- Relevant Coursework: Machine Learning, Fundamentals of Software Engineering, Artificial Intelligence, Data Mining, Algorithms, and problem solving, Networking.

Jawaharlal Nehru Technological University, Hyderabad, India

August 2016 – September 2020

Bachelor of Science in computer Engineering

GPA: 3.8/4.0

- Relevant Coursework: Discrete Structures, Object oriented programming and Data structures, Digital Image processing, Relational Databases, Database systems, and Internet of things.

TECHNICAL SKILLS

Languages: Python, Java, C/C++, Ruby, HTML5, CSS3, C#, JavaScript.

Databases: SQL, PostgreSQL, Cypher, Oracle, NoSQL.

Operating Systems: Windows, Mac Os, Ubuntu, Linux, Unix.

Frameworks & Tools: Node, Bootstrap, GIT, Ruby on Rails, Kubernetes.

Platforms: Visual Studio, Pycharm, Google Collaboratory Python, Jupyter Notebook, GIT Hub.

EXPERIENCE

Intern, FedEx Services, Memphis, TN, USA

June 2023 – On going.

- Designed and developed the user interface (UI) for the server decommission application. Utilized API functionalities to integrate the application with other systems and databases.
- Implemented business logic and backend functionality using technologies such as Spring Boot, Maven, and JavaScript. Followed Agile methodology.

Graduate Engineer Trainee, HCL Technologies, Noida, India

November 2020 – November 2021

- Designed and built API endpoints for fetching user's details, created stored procedures, and written unit test cases to automatically test the functionality of ecommerce website.
- Experience in developing User Interface with different technologies like HTML5, CSS3, JavaScript, Python, node, react, scrum, Backend, Front end, Information Systems.

Intern, Electronics Corporation of India Limited, Hyderabad, India

May 2018 – July 2018

- Built an Embedded systems project (A vending Machine) using digital image processing for coin acceptance and structured a mechatronics design, implemented using embedded c language.

PROJECTS & ASSISTANTSHIPS

Graduate Assistant

August 2022- May 2023

- Worked as a teaching assistant for courses Human Computer Interaction, Database Systems and Machine Learning. Taught these courses for more than 50+ undergraduate and Graduate students in University of Memphis.

Spam Email Detection

November 2022 – December 2022

- TF-IDF is performed to understand context of text data, Summarized the performance result based on K nearest neighbor, SVM and Naive Bayes algorithms in terms of spam precision and accuracy.

E-Commerce Web Application

March 2022 – May 2022

- Build an e-commerce website from scratch, wrote user stories, designed wireframes using Balsamiq and class diagram using visual Paradigm.
- Followed MVC architecture and used Ruby on Rails framework. Worked in Agile environment with GIT for version control, HTML and CSS to give template for webpages, Visual studio and PgAdmin4 to perform collaborative database administration.

Speech Emotion Recognition

March 2022 – May 2022

- Build an Artificial Intelligence project that analyzes an audio file in real-time, identifies and presents the expressed emotion within it. A Deep neural network with a Long short-term memory is used for classification.
- To train the model, emotions by actors have been used from the Ryerson Audio-Visual Database of Emotional speech and song (RAVDNESS) from the Ryerson. Used Python and Jupyter Notebook.

PERSONAL SKILLS

- Ability to work effectively in a team environment.
- Strong Problem-solving skills and ability to think outside the box.