

SINDHUJA YERRAMALLA

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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, Human Computer Interaction

Jawaharlal Nehru Technological University, Hyderabad, India

August 2016 – September 2020

Bachelor of Science in Electronics and communications

GPA: 3.8/4.0

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

TECHNICAL SKILLS

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

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

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

Frameworks & Tools: Angular.js, React.js, Bootstrap, Django, Spring boot, Maven, GIT, Ruby on Rails.

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

EXPERIENCE

Software Developer, 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, Angular.js.

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 & ASSINTANTSHIPS

Graduate Assistant

August 2022- December 2022

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

Spam Email Detection

November 2022 – December 2022

- TF-IDF is performed to understand context of text, 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 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.