Ishita Kundaliya

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EDUCATION:

Master of Computer Science   Aug 2022- Dec 2023
Rice University, *Houston, Texas*   CGPA: 3.9/4.0
Courses - Tools and model for data science, Web Development, Project Management, Machine Learning, Deep Learning for vision and language, Information Retrieval, Graduate Data Analysis and Algorithms, Software Engineering Methodology

BTech, Computer Science Engineering   Aug 2017- July 2021
Sreenidhi Institute of Science and Technology, *Hyderabad, India*

SKILLS:

Python, Java, C, Databases, SQL, JavaScript, HTML, CSS, Machine Learning, Natural Language Processing, Git, Windows, Linux, Data Analysis, data structures, MongoDB, React, Node,Js, Express, MERN stack, Flask, REST APIs, JSON

EXPERIENCE:

Software Engineer Intern - **Hewlett Packard Enterprise**   May 2023- August 2023
Skills: Python, Flask, ReactJS, MongoDB, Linux
- Developed a full stack application which had multiple stages to it. Used redfishClient API which uses ILO to extract the various hardware present on the servers and add it to a MongoDB database using Python.
- Created a cron job to refresh the database every night which will update as and when new servers are added.
- Created a user interface in ReactJS which will be used to search for the hardware and view it.
- Developed a backend in Flask and was responsible for creating various REST APIs calls involving login, changing IP addresses for the cron job, searching in the database, etc.
- Testing Nutanix + HPE servers to find faults in the hardware before production.

Programmer Analyst and Intern in AI on Cloud team - Cognizant   July 2021 - Aug 2022
Skills: Python, CNN, HTML, CSS, Flask, Database, NLP, Pandas, Numpy
- Led a team of 5 to develop a "Missing Person Detection" web application using Python, Flask, Convolution Neural Networks aiming to identify any missing person through a live video feed or by uploading an individual's picture.
- Spearheaded a team to design a "Sarcasm Detection" Sequential model using python language and Natural Language Processing. Computed accuracy for the sarcasm detection model was over 85%.

Software Intern - Cantilever Labs   Oct 2020 - Dec 2020
Skills: Java, Servlets, HTML, PHP, MySQL
- Built a "Bus Ticket Booking System" using Java, Java Servlets, JavaScript, HTML, PHP and SQL
- Spearheaded the project including 2 modules- Administrator and User module. Admin can add, delete, update and view bus details. Users can book, cancel reservations and view all the bus details.

Machine Learning Intern - Central Institute of Tool Design   Jun 2019 - Jul 2019
Skills: Matlab, OpenCV
- Developed a "Drowsiness Alert System" project using OpenCV, Fuzzy Logic.
- Built system detected a face and then its eyes. Upon detection, if the eye remains closed for more than 2-3 seconds then the person would be detected as drowsy, and subsequently, a loud sound alert would be sent.

PROJECTS:

Recipe Generation from Videos   Jan 2023 - April 2023
- Developed a pipeline to generate recipes for cooking videos using pretrained models and then comparing its results.
- Created 3 experiments wherein we used PDVC to get meaningful periods of time. Using cosine similarity we found the most meaningful frames. We then used YOLO to enhance the frames and then sent it to Clip to get better captions. These captions were then sent to BARD to generate recipes.

Predicting performance of movie using sentiment analysis on youtube movie comments   Jan 2023 - April 2023
- Created a sentiment analysis model trained on youtube comments.
- Conducted multiple experiments to see if these youtube comments could help and successfully enhanced the prediction rate of the success of the movie.

Social Media Application - TheI-Site: Aug 2022- Dec 2022
- Built a social media application using reactJS, MongoDB, express, node.js, and cloudinary to add images.
- Users can login, register, add friends, delete friends, see posts, add comments, change comments, update profile details.

Handwritten Digit Recognition   Jan 2021- Mar 2021
- Led the team to create a handwritten recognition CNN model written in python and android studio.
- Modeled a ML model where there is a user interface to draw the number and it detects what the number is.