Rutuja Padgilwar

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Experience

Infosys *Pune, India*
SYSTEM ENGINEER *June 21 - July 2022*
- Worked alongside product managers and peers to extend the internal application of networking tool to a cloud based web application which reduced the manual intervention to 0%.
- Recognised and built the logic for sourcing the data to tools which reduced the configuration times for new clients by 30%.

Mindbowser Info Solutions Pvt.Ltd. *Pune, India*
SDE *June 20 - June 2021*
- Developed a recommendation system for client based on criteria like description text, popularity, individual user interest, etc.
- Implemented the hybrid model of recommendation where both content-based and collaborative-based recommendation system were implemented

Mindbowser Info Solutions Pvt.Ltd. *Pune, India*
SDE INTERN *Dec 19 - May 2020*
- Worked with a team, who provides Machine Learning service to customer support teams. Using this service this teams solves the end customer issues.
- Completed the required goals during the internship and worked on stretch goal to complete the feature.

Education

Portland State University, Oregon *Portland, OR, USA*
MASTER OF SCIENCE, COMPUTER SCIENCE –(GPA=3.56/4) *Anticipated 2024*
- Coursework: Machine Learning, Intro to database management system, Full stack development, Software Engineering

SGGSIET Nanded *Nanded, India*
B.TECH. IN COMPUTER SCIENCE –(GPA=7.7/10) *Aug 16 - May 20*

Professional Skills

Software and Programming Languages

- **Programming Skills:-** Python, Database (SQL, Firebase), JavaScript (ReactJs), HTML5, CSS, C, JAVA, Computer Vision, Machine Learning, Agile methodologies, GCP.
- **Soft Skills :-** : Problem Solving, Innovative, Self-organized, Team Player, adaptive thinking

Projects

Book Recommendation System *Portland, OR, US*
COURSE PROJECT *Jan 23- March 23*
- Implemented popularity-based recommendation engine which includes books with total number of ratings more than 200 and recommends books with 90% similarity
- Boosted accuracy of recommendation engine with content evaluation, same authors, publishers and year of publication with cosine similarity which resulted in 95% accurate results.

Digital Souvenir - Travel Memories *Portland, OR, US*
COURSE PROJECT *Oct 22- Dec 22*
- Developed on ReactJS and bootstrap for collection of digital photographs
- Implementation of Google location API to discover photographs clicked at different locations and auto completion functionality
- Worked on Firebase storage and Firebase Firestore to storing the images and all meta data into database

ASL/ISL Sign language to text conversation *India*
RESEARCH PROJECT *March 21 - May 21*
- Worked on different pre-trained deep learning models i.e ResNet50, RNN and Keras video frame generator
- Developed a website for video dataset collection (site link: https://asl-dataset.web.app/ to Collect sign video dataset and for spreading awareness and helping the deaf and mute community

Rubik's Cube Solver Using Python *India*
LEARNING PROJECT *Jan 21- March 21*
- Developed an application to solve the Rubik's Cube using a camera
- Captured all the faces with a camera and then applied the Kociemba module

Removing noise from multimedia using auto-encoders *India*
LEARNING PROJECT *Oct 20- jan 21*
- Worked on deep neural network to remove noise from Images and audio dataset
- Worked with various types of denoising auto-encoders to measure performance