

Rutuja Padgilwar

+1 331-203-8626 | ✉️ rutuja.padgilwar@gmail.com | 🏠 rutujapadgilwar.github.io | 📱 rutujapadgilwar | 🌐 rutuja-padgilwar

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%.

Mindbrowser 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

Mindbrowser 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=3.66/4)

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, TensorFlow, PyTorch, Keras, Database (SQL, Firebase), JavaScript (ReactJs, ChartJs), HTML5, CSS, Bootstrap, Material UI, C, JAVA, Computer Vision(OpenCV), Machine Learning, Agile methodologies,
- **Soft Skills :-** : Problem Solving, Innovative, Self-organized, Team Player, adaptive thinking

Projects

Park Dashboard

Portland, OR, US

COURSE PROJECT

April 23- June 23

- Park Dashboard utilizes the national park service API to provide comprehensive information and statistics on all national parks in USA
- Implemented the bar charts and 3D Pie charts using chartjs. Moreover, implemented the data rendering related to weather forecasts, Campground info, Park Activities, Things to explore, etc.

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