

Rutuja Padgilwar

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Experience

Infosys

Pune, India

SYSTEM ENGINEER

June 21 - July 22

- Collaborated with 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 developed a micro-service for sourcing the data to tools which reduced the configuration times for new clients by 60%.

Mindbrowser Info Solutions Pvt.Ltd.

Pune, India

SOFTWARE DEVELOPER ENGINEER

June 20 - June 21

- Designed and implemented a recommendation system based on criteria like description text, popularity, user interests, etc.
- Implemented a hybrid model of recommendation, integrating both content and collaborative based systems to provide users with diverse and contextually relevant recommendations. This approach significantly enhanced user satisfaction.

Mindbrowser Info Solutions Pvt.Ltd.

Pune, India

SDE INTERN

Dec 19 - May 20

- Collaborated on the development of a machine learning-powered chatbot for automated customer issue resolution.
- Conducted comprehensive end-to-end testing, iteratively improved performance based on user feedback.
- Achieved 20% reduction in response time and enhanced customer satisfaction.

Education

Portland State University, Oregon

Portland, OR, USA

MASTER OF SCIENCE, COMPUTER SCIENCE –(GPA: 3.75)

Sep 22 - April 24

- Coursework: Machine Learning, NLP, Intro to database management system, Full stack development, Software Engineering

SGGSJET Nanded

Nanded, India

B.TECH. IN COMPUTER SCIENCE –(GPA: 4.0)

Aug 16 - May 20

Professional Skills

Software and Programming Languages

- **Programming Skills:** Python, TensorFlow, PyTorch, Keras, Database (SQL, MongoDB, Firebase, PostgreSQL), Machine Learning (Pandas, Numpy, Scipy, Scikit-learn), Natural Language Processing (ResNet50, CNN, RNN, PTM, LLM), Computer Vision (OpenCV), JavaScript (ReactJs, ChartJs, D3.js), HTML5, CSS, Bootstrap, Material UI, C, Axios, Redux, JAVA, Flask, Microservices, Agile methodologies, Rest API
- **System and Software:** Visual Studio, Git, Postman, Jupyter Notebook, Google Colab, AWS, GCP, Datadog, Jira, Splunk, Apache Tomcat, Windows, Linux, Android Studio, Tableau, Excel
- **Soft Skills:** Problem Solving, Innovative, Self-organized, Team Player, Adaptive Thinking, Communication, Time Management

Projects

Consumer Complaints Classified, Portland, OR, US

Oct 22- Dec 22

- Designed and implemented an NLP-driven system, achieving 84% accuracy with XGBoost on 625,545 complaints.
- Demonstrated expertise in data preprocessing, model evaluation, and ethical considerations, aligning with industry standards.
- Utilized the Pre-trained Language Model (BERT) to enhance contextual understanding, contributing to an 82% accuracy in categorizing consumer complaints.

Park Dashboard, Portland, OR, US

April 23 - June 23

- Utilizes the national park service API to provide comprehensive information and statistics on national and generic parks in USA.
- Implemented technologies like react-router, react-select, and Redux, resulting in a 90% increase in user engagement.
- Implemented bar charts and 3D Pie charts using Chart.js and handled data rendering for weather forecasts, Campground info, Park Activities, Things to explore, and more

Book Recommendation System, Portland, OR, US

Jan 23 - March 23

- Developed a book recommendation system using a dataset of 10,000 data points. Implemented a popularity-based recommendation engine for books with over 200 ratings and 90% similarity, optimizing user experience.
- Boosted accuracy of recommendation engine with content evaluation, same authors, publishers and year of publication with cosine similarity which resulted in 95% accurate results.

Rubik's Cube Solver Using Python

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 algorithm for efficient and accurate cube-solving.