

SAHITHI MALLINENI

PROFESSIONAL SUMMARY

An enthusiastic professional and student looking for an opportunity to expand horizons in learning and working. Loves to do challenging work in a collaborative environment. 3 years of experience as Systems Engineer at Infosys.

SKILLS

- Supervised learning
- Unsupervised learning
- Exploratory Data Analysis (EDA)
- Data Visualization
- Dimensionality Reduction Techniques
- Data wrangling and analysis
- Classification and Regression
- Clustering
- Predictive Analysis
- Recommender systems
- NLP
- Image classification
- Text mining
- Social media Analysis and Sentiment Analysis
- Probability theory and Statistics
- Hadoop, Kafka, Spark

WORK HISTORY

RESEARCH ASSISTANT 01/2022 to Current

Informatics and Computing, Indianapolis, USA, USA

- Working on a project based on NLP to find factors influencing the covid vaccination hesitancy in USA

SENIOR SYSTEMS ENGINEER 01/2018 to 01/2021

Infosys Limited, Chennai, India, India

- Responsible for automating test scenarios for business applications and executing them during product releases
- Worked for a financial client engagement
- Handled complex applications – development and executing test scripts within tight deadlines
- Experience with various tools like Selenium with Java, UFT, ALM, Maven, Teamcity for CICD, Bitbucket and Git

EDUCATION

PURDUE UNIVERSITY, Indianapolis, USA

Graduate, Computational Data Science

Data mining, Statistical Machine learning, Introduction to Data Science, Algorithm Design and Implementation, DBMS, and Time Series Analysis

VR SIDDHARTHA ENGINEERING COLLEGE, Vijayawada, India

Bachelor of Technology, Civil Engineering, 2018

GPA: 8.33/10, 10% of class, Stood first in college level aptitude test among all engineering departments

PROJECTS

1. Factors Influencing Covid Vaccination Hesitancy in the US - *Ongoing*
 - Analyzing the opinions on people on vaccinations using Social Media Data (Tweets, posts and comments) on a county level.
 - Performing Unsupervised learning on official data available on vaccination reports and population metrics and understanding underlying patterns.
 - Skills: NLP, Text mining and social media analysis
2. Library Management system
 - Designed and developed a LMS (Front end and Backend) using Django framework and SQLite.
3. Mineral Detection in CRISM Image
 - Performed Unsupervised detection of an unknown number of minerals in a CRISM Image. Improved the F1 score from 0.094 to 0.25 using Spectral Clustering