

SUSHIL GURJAR

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Core Competencies

Data Science & Analysis

Machine Learning

Web Scraping

Data Mining & Modeling

Advance Analytics

Deep Learning

Requirement Gathering

Project Execution

A versatile, high-energy technocrat with skills in executing projects of large magnitude, targeting assignments in **Data Science and Machine Learning** with an organization of high repute.



Profile Summary

- A focused and goal-oriented professional with a zeal to make a winning career in **Data Science** with extensive knowledge of **Web Scarping, Flask & Machine Learning Algorithms** like **Regression, Classification, Inferential Statistics, Bayesian Machine Learning** and **Statistical Analysis**.
- Gained exposure in **Python, Statistics and Linear Regression Model**.
- **Skilled Big Data Analyst and Consultant**; established scalable, efficient, automated processes for model development & validation, model implementation and large scale data analysis.
- Knowledge on concepts of **Clustering, Prediction Analysis using Linear, Logistic Regression Models, NB, KNN, Random Forest, and Gradient Boosting ,Decision Trees**.
- Expertise in providing insights into **obtaining, describing, visualizing and using data** for making right business decision through **quantitative research, advance data sourcing and data profiling**.
- Gained exposure in Python, Web Scraping, Statistics, and Linear Regression Model & so on during project execution.
- A team player with **excellent interpersonal and analytical skills** with capabilities to collaborate across organizational boundaries, embrace change and work in matrix management arrangements.

Experience

Associate Engineer at Kamadhenu Technologies, Gurugram
(Dec'20-Till Date)

Roles & Responsibilities:

- Designing Flask API.
- Preparing datasets for Machine Learning Models using web scraping.
- Work on Xpath and Selenium.

Internship

Jun'19- Aug'19 with LRDE, DRDO Bangalore
(Guide: Dr. Vikas, Scientist E, DRDO Bangalore)

Key Result Areas:

- Performed analysis of Extended Kalman Filter and Particle Filter on Ballistic Target Tracking.
- Analyzed the performance of ballistic target tracking using extended Kalman filter and particle filter.
- Concluded that the particle filter has more accuracy then extended Kalman filter but its time complexity was more than extended Kalman filter.

Academic Details

- **2020:** **M.Tech. (Signal Processing & Communication)** from IIT Tirupathi
- **2017:** **B.E. (Electronics & Communication)** from RJIT,BSF Academy,Gwalior
- **2013:** **12th** from K.V.Neemuch
- **2011:** **10th**K.V.Neemuch

Technical Skills

- **Operating Systems:** Windows,Linux
- **Programming Languages:** Python, Flask & SQL
- **Packages:** Selenium , Scikit-Learn, Tensor Flow, Pandas & NumPy

Certifications

- Natural Language Processing with Classification and Vector Spaces from Coursera
- AWS Fundamentals: Going Cloud-Native from Coursera
- Create Your First Web App with Python and Flask from Coursera
- COVID19 Data Analysis Using Python from Coursera

Academic Projects

M.Tech Thesis: On the Symmetric Capacity of the Random Access Gaussian Interference Channel

(Guide: Dr. Parthajit Mohapatra, IIT Tirupathi)

Key Result Areas:

- Explored the effect of users' random activity on the performance from the information-theoretic perspective under the interference-limited scenario.
- Proposed three schemes for different interference regime to mitigate the interference under the random activity of users
- Evaluated the performances of these schemes under different parameter settings.
- These schemes have applications in IoT.

M.Tech Mini Project: Iris Recognition System

(Guide: Dr. Rama Krishna Sai Gorthi, IIT Tirupati)

Key Result Areas:

- Iris recognition Bio metric using Computer Vision and Machine Learning Techniques(like Hough Transform and Canny Edge Detector) on CASIA-IrisV3 Dataset.
- It can use for biometric Verification.

Other Projects Undertaken:

Malicious URL Detection using Machine Learning Algorithms

- Built and trained a Malicious URL Detector using Support Vector Machine and obtained an accuracy of 96.8%.
- It can use in cybersecurity to prevent malicious URL Attacks.

Image Denoising Using AutoEncoders with the help of Keras API

- Built and trained an image denoising autoencoder using Keras with Tensorflow 2.0 as a backend.

Workshops

- Two Days Workshop on SDR and GNU Radio at National Instruments
- Introductory Workshop on Amazon Cloud Service
- Linux Workshop



Personal Details

Date of Birth: 18th January 1996
Languages Known: English & Hindi