

Suryatej H M

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EDUCATION

Master of Science: Data Science, University at Buffalo, The State University of New York, Aug 22-Present

Bachelor of Engineering: Mechanical Engineering, KLE Technological University, India, Aug 2020

SKILLS & TOOLS

Programming Languages: Python (NumPy, Pandas, Scikit-learn, TensorFlow, Matplotlib, PyTorch, SparkML, Keras), SQL, R, C, PySpark, Map-Reduce, Hadoop, Flask

Databases: MySQL, PostgreSQL, Oracle, NoSQL

Tools: Jupyter Notebook, Tableau, PowerBI, MS Excel, MS PowerPoint, Google Data Studio, MATLAB, GitHub

Skills: Data Analysis, Web Scraping, Data Warehousing, Data Wrangling, Exploratory Data Analysis (EDA), Data Modeling & Pipeline, Data Engineering, A/B Testing, NLP, Regression modeling, Data Visualization, Agile Methodologies, CNN/RNN, Boosting Methods.

WORK EXPERIENCE

Data Scientist, Cognovative Technologies and Solutions Pvt. Ltd., India: Mar 2021 – June 2022

- Led the development and production of a ML based Grain Quality analyzer System.
- Interacted and understood the client requirements as per the Onsite and Client feedbacks. Estimated the Project delivery timelines.
- Was involved in collection, cleaning and sorting of Training Datasets, Testing Datasets and Validation Datasets. Built and trained various image classification models and tested them onsite.
- Designed and analyzed the mechanical aspects of the project.
- Created interactive Dashboards for the customers and the management using tools like Tableau and Power BI.
- Managed and motivated a team of interns to enhance the productivity and minimize errors.

Operations Research Analyst, Rayalaseema Concrete Sleepers Pvt. Ltd., India: Aug 2020 – Feb 2021

- Worked as an OR analyst for one of the country's largest Sleeper bed manufacturers at various onsite locations across south India.
- Optimized the Production assembly line of pre-stressed concrete sleepers.
- Developed pitch decks and managed the company's Database.
- Prepared the Quarterly financials for the stakeholders by analyzing the data from the databases.

PROJECTS

Emotion AI: Facial Key-points Detection:

- Built and trained a deep learning model based on Convolutional Neural Network and Residual blocks using Keras with Tensorflow 2.0 as a backend.
- Assessed the performance of trained CNN and ensure its generalization using various Key performance indicators.

Language Classification with Naive Bayes in Python:

- Cleaned and preprocessed data for language classification.
- Trained and assessed a Multinomial Naive Bayes Model.
- Used subword units to counteract the effects of class imbalance in language classification.

Detecting COVID-19 with Chest X-Ray using PyTorch:

- Created custom Dataset and DataLoader in PyTorch.
- Trained a ResNet-18 model in PyTorch to perform Image Classification.

Predict Housing Prices in R on Boston Housing Data:

- Created training and testing sets via R.
- Applied GBM, Random Forest, and Linear Models to a data set.
- Evaluated and chose the best model.

CERTIFICATIONS & INVOLVEMENT

Volunteer, Downtown Toastmasters Club, Buffalo, NY September 2022 – Present.

Volunteer, Open Data Science Conference, West-2022.

Volunteer, Janamukhi Trust, India, July 2015- May 2022.

Fundamentals of Data Science Summer Workshop, Stanford University, 2020.

Strategies & Sustainable Enterprise, Indian Institute of Management, Bangalore.

Have completed over **100 MOOCs** and more than **20 projects** in the domain of Data Science.

Certified Data Analyst, Analytix Labs, India