Saurabh Singh

Data Scientist

isaurabh2709@gmail.com

Ph. 9987113050
LinkedIn - linkedin.com/in/saurabhy27
GitHub - github.com/saurabhy27

Scholastic Achievements

B. Tech	***B. Tech in Aerospace | IIT BOMBAY*** *['16]*

Professional Experience

Salesken *[Apr'20– Present]*	***Software Developer |*** *Data Science Team* • Created script to automate the process of product testing using selenium in Java. • Works on Selenium, Scrapy framework for web scraping, and created websites for analyzing the models. • Worked with the various technique in Natural Language Processing such as Rake, Yake, KeyBERT, TF-IDF etc. to analyze the documents of text for signal creation. • Hosted the services on Google Cloud with Docker to run in background and released the Flask API's.

Key Technical Projects

Data Analysis *[Jan'16 -Apr'16]*	***Analyze the IMDB dataset*** *| Guide By: Prof. Prabhu Ramachandran, Aerospace Department* • Analyzed IMDB dataset of multiple movies through the ages by using Python libraries e.g., Pandas etc. • Used Matplotlib to visualize no. of release, budget, collection, popularities, and profit patterns.
[Jan'20 -Apr'20]	***Human Factor*** *| Guide By: Prof. Vivek Kant, IDC Department* • Go through many websites for search of all the aviation sector accidents (Civil, Military, Private) in India. • Analyzes the distribution of accident with day wise, month wise and year wise, etc. data using Tableau.
Optimization *[Jan'19 – Apr'19]*	***Engineering Design Optimization*** *| Guide by: Prof. G.R Shevare, Aerospace Department* • Developed MATLAB code for mathematic optimization methods e.g., Newtons, Brent's, Golden Search etc.
ML Algorithm *[Oct'20 –Nov'20]*	***ML Algorithms from Scratch*** *| Self Project* • Programmed different ML algorithms such as Linear Regression, Logistic Regression, Neural Network, K-Means only using Python. On Andrew Ng Datasets.

Online Courses

ML *[Dec '19 – Feb'20]*	***Machine Learning*** *| Andrew Ng | Coursera (Stanford)* • An Introduction to Machine Learning using MATLAB includes Linear Regression, Logistic Regression, Neural Network, SVM, K-Means, PCA, Anomaly Detection, Recommender System
Data Science *[Mar '20 -Jul'20]*	***Data Science Specialization*** *| Coursera (IBM) | 9 Courses* • Into to data science methodology, Python, SQL, Data analysis, Data visualization, and Machine learning
Mathematics *[Aug '20 - Present]*	***Mathematics for Machine Learning Specialization*** *| IBM (Imperial College London) | 3 Courses* • Linear Algebra, Calculus, Principal Component Analysis
Java *[Apr'20]*	***Java Programming*** *| edX (Microsoft) | 2 Courses* • Functions, Loops, Datatypes, Recursion, Data Structures, and Object-Oriented Programming
Android *[May'20 - Jul'20]*	***Android App Development with Kotlin*** *| Udemy* • Kotlin, XML, Constraint layout, Event, Activity Lifecycle, Calculator, Background running, View-Model etc.
Web Dev. *[Apr'20]*	***Web Development Specialization*** *|Coursera (University of Michigan) | 5 Courses* • HTML5, CSS3, JavaScript, Responsive Design
Git *[Mar'20]*	***Git*** *| Coursera* • Commit, Git graph, Branching, Merging, Fetch, Pull, Push, Rebasing

Technical Skills

Programming	Python, SQL, C++, Kotlin, Java, Flask, JavaScript
Softwares	PyCharm, Docker, Git, MATLAB, Tableau, MS Office
Others	Basic GCP, PHP, HTML, CSS

Miscellaneous

Key Courses	Calculus, Linear Algebra, Differential Equations, Introduction to C++
Interests	Data Science, NLP, Machine Learning, Android App Development
Others	• Complete learning of Guitar under National Sports Organization, IIT Bombay. *['16 – '17]* • Table Tennis Enthusiast