Sajal Suhane

(469)-922-9416 | ssuhane31@gmail.com | linkedin.com/in/sajalsuhane
sajalsuhane.github.io | Dallas, TX 75219

Professional Experience

Analyst, *(Software Developer - CFOSS)* June 2023 – Present
Goldman Sachs, USA

- Leading the design and development of a cloud-native architecture, showcasing expertise in crafting scalable, high-performance solutions that perfectly align with organizational goals.
- Orchestrating on-premises workflow migration to AWS Cloud, achieving a remarkable **90% reduction in processing time – from 20 minutes to less than 2 minutes.**
- Identifying and solving bottlenecks, driving substantial time and cost savings through innovative solutions and staying current with cloud tech trends.

Summer Analyst, *(Software Developer – Controllers Division)* June 2022 – August 2022
Goldman Sachs, USA

- Worked on development of inhouse operational storage tool which handles billions of data every second
- Created dashboards in Kibana using the metrics exposed from the API providing more insights to the end-user resulting in **decreased ingestion time by 30%**
- Worked on POC for queuing system while ingestion to prevent timeout in inhouse operational storage tool. **Estimated efficiency increase by 31.7%**

Graduate Research Assistant, *(Analytics and Product Development)* November 2021 – May 2022 and August 2022 – May 2023
University of Texas at Dallas, USA

- Developed an algorithm to collect, clean, and analyze data generated by biomedical sensors every minute **reducing human FTE by 0.6**
- Assisted in building databases to organize sensor data coming from the wearable sensors which stores millions of data points every minute
- Worked on developing various cross platform applications that support sensor data calculations and analytics **increasing operational efficiency by 70%**

Assistant Systems Engineer, *(Developer – Digitate)* November 2020 – July 2021
Tata Consultancy Services, India

- Developed ignio's capabilities and enhancements reducing **overall MTTR by 7000 hours/month** across 100+ clients
- Completed Architecture & Security Review for different UK/EU based clients and deployed ignio successfully in their environment(s)
- Developed AI based algorithm(s) for autonomous actions that **saved 9000+ human hours/year worldwide (~50% time to deploy ignio)**

Education

University of Texas at Dallas, USA May 2023
Master of Science in Computer Science, (Concentration in Data Science) GPA 3.7/4
Relevant Coursework: Statistics of Data Science, Machine Learning, Database Design, and Data Representations

Savitribai Phule Pune University, India May 2020
Bachelor of Engineering in Computer Engineering GPA 8.76/10

Skills and Expertise

Programming Languages:	Python, R, SQL, PL/SQL, C, C++, Java, Swift, Scala
Web Development:	HTML, CSS, JavaScript, React, XML, NodeJs
Big Data & Analytics Tools:	Hadoop (HDFS, MapReduce, Kafka, Hive), Tableau, Power BI, Kibana
Data Science Libraries:	Python (Pandas, Scikit Learn, TensorFlow, Keras)
Data Science:	Regression, Classification, Neural Networks, Time Series Analytics
Databases:	MySQL, PostgreSQL, MongoDB, AWS
Other IDE and Tools:	RStudio, Jupyter, Eclipse, Microsoft Office, Android Studio, XCode, Visual Studio Code, IntelliJ

Selected Projects

Audio Sentiment Analysis, (Machine Learning) August 2020

- Built a prediction model to classify sentiment of an audio in real time, using Python for cleaning and transforming voice data of ~41,000 people
- Created a Neural Network based classification model using several categorical and numerical variables and finally evaluating it based on keywords used in the audio stream

Hands-on experiences in Statistical Modelling, and Machine Learning 2018 - 2021

- Built several mini projects focusing on key concepts in Statistics and Machine Learning such as Hypothesis Testing, Linear Regression and building a Neural Network from scratch, etc. using Python
- Analysed a stream of news coming from all over the world and classifying into Real and Fake news based on labelled data with accuracy of 88%
  Current Project: Stock price prediction using moving averages and previous trend of the stock taking in account news about the stock