SUJIT TILAKRAJ THAKUR

Data Scientist || Sujittilakrajthakur@gmail.com || 8064012452 || **GitHub** || **LinkedIn** || **Portfolio**

Summary:

A seasoned Data Scientist with a track record of leveraging Python, SQL, and machine learning and AI techniques to drive impactful insights and cost-saving solutions across diverse industries. Experienced in developing high-precision predictive models, optimizing business processes, and fostering cross-functional collaboration. Skilled in data visualization tools like Tableau and Power BI, with a knack for translating complex technical concepts into actionable insights for stakeholders.

Skills:

• Python	• SQL	• R	• Microsoft Power BI	• Tableau	• Scikit-learn
• pandas	• Data Processing automation	• Oracle	• Git / Git Hub	• TensorFlow	• PyTorch
• Machine Learning	• Large Language Model	• Data Science	• Statistical Data Analysis	• Data Analysis	• Agile
• Data Visualization	• Cross Functional Team	• Computer Vision	• Deep Learning	• Hypothesis Testing	• NoSQL

Professional Experience:

Biogen Inc. -   Data Scientist – (Sr. Analyst II) : December 2022 – Present

- Engineered advanced predictive machine learning and deep learning models to forecast pivotal parameters in clinical studies and contracts with precision, surpassing 90% accuracy. Additionally, crafted a model to enhance vendor/supplier selection, resulting in a remarkable $10 million in cost savings.
- Spearheaded projects in R&D for developing data pipeline using SQL and Python based ETL framework.
- Developed and led a collaborative data analytics project involving Finance, Marketing, Global Clinical Operations, and R&D teams. Resulted in a 15% improvement in business performance prediction. Utilized Python, MS Power BI, and Tableau to create an insightful dashboard highlighting key data trends.
- Effectively translated intricate technical concepts into easily understandable insights for diverse audiences, including non-technical and senior management stakeholders across international projects.

Tech Mahindra ltd. -   Jr. Data Scientist – (Engineer U2) : February 2020 – July 2021

- Translating end-user requirements, particularly those from the Engineering Team, into precise technical objectives to guide project development and implementation.
- Used machine learning tools to improve decision-making for vehicle aggregate warranty claims, optimizing warranty decisions.
- Spearheaded online marketing and advertising data analysis, achieving a 20% increase in ROI through data-driven strategies.
- Implemented data quality frameworks and SQL optimizations, leading to a 40% reduction in big data processing time, thereby significantly enhancing operational efficiency.

Biogen Inc.   -   Data Analyst Intern : June 2022 – December 2022

- Developed machine learning model for Engineering Team to predict the range of savings of a facility project, with an accuracy of 83%
- Engineered Power BI and Tableau reports to condense and disseminate intricate or challenging-to-interpret data, fostering accessibility and comprehension across stakeholders.
- Automated time-consuming tasks of engineers using power automate and SharePoint, resulting in enhancing operational efficiency by 43%.

Texas Tech University. - Graduate Assistant : 2021 – May 2022

- Developed machine learning models for PhD candidates to aid in their research.
- Mentoring undergraduate students in Engineering Economics and programming with Python/C++.
- Facilitated hands-on learning experiences for students in both academic and technical realms.

Mahindra And Mahindra ltd. -   Trainee – Analytics and Field Service : February 2019 – February 2020

- Performed data analysis on customer vehicle dataset for insights into maintenance and performance optimization.
- Executed process and data quality audits, ensuring adherence to standards, and driving continuous improvement initiatives.
- Spearheaded the development of secondary channels, overseeing strategy implementation and fostering growth opportunities.
- Conducted root cause analysis of automobile aggregate failures and delivered effective solutions to mitigate recurrence.

Technical University of Sofia   -   Guest Researcher (Data Science) : June 2015 – August 2015

- Research on University project named unmanned suspect following vehicle, using python and computer vision.
- Present the findings and development to stakeholders and investors.

Education:

- **Postgraduate in Data Science** - University of Texas at Austin, GPA – 4.33
- **Master of Science in Industrial Engineering** - Texas Tech University, GPA 4.0
- **Bachelor of Engineering in Mechanical Engineering** - University of Mumbai GPA 3.7

Certification:

• Six Sigma Black Belt	• Supervised Machine Learning	• Advanced Microsoft Power BI
• Statistical Thinking for solving industrial problems	• Customer Analytics	• Operation Analytics
• Python for Data Science and AI	• Data Analysis and A/B Testing	• SQL for Data Science

Honors and Awards:

• Hackathon USA Machine Learning and AI 2024 – Winner	• MS Power BI Super User- Microsoft	• Best Data Scientist Biogen– 2023
• Research Paper Publication in International Journal - 2019	• Best Data Analyst Award – 2021	• Mentor for data science