

Contact

sk.sahidul.islam@gmail.com

www.linkedin.com/in/sahidulshaikh
(LinkedIn)

github.com/sahidul-shaikh (Other)

www.kaggle.com/sksahidulislam
(Other)

Top Skills

Data Science

Machine Learning

Python

Certifications

Microsoft Certified: Azure Data
Fundamentals

Oracle Certified Java Programmer

AWS Certified Machine Learning –
Specialty

Microsoft Certified: Azure Data
Scientist Associate

Sahidul Shaikh

Data Science | Machine Learning | Gen AI | LLM
Kolkata, West Bengal, India

Summary

Greetings! I am a seasoned Data Scientist with an illustrious 12-year career, boasting over 5 years of dedicated expertise in the dynamic realms of Data Science and Machine Learning.

My proficiency lies in crafting predictive models, developing compelling data visualizations, and implementing strategic, data-driven solutions. I specialize in harnessing advanced analytics for end-to-end product development, driving business solutions, and optimizing processes.

- Data mining, Data analysis, Data visualization, Predictive/ Statistical modelling, Supervised and Unsupervised learning, Regression, Classification, Clustering, Time series forecasting, Model deployment, Fraud detection and analysis, SAP, Procurement process.

Beyond technical proficiency, I bring a holistic skill set that includes team building, leadership, mentorship, stakeholder management, critical thinking, and proficiency in Agile methodologies.

- Python , PySpark, SQL, PowerBI, MS-Excel, Azure Databricks, Azure Data Lake Storage (ADLS), Azure Data Factory (ADF), Azure DevOps (ADO)

?

I am driven by the challenge of transforming intricate data into actionable insights. Whether it involves pioneering predictive models or crafting data visualizations that narrate a compelling story, my commitment is unwavering in delivering value through data. Demonstrating profound proficiency, I have successfully led end-to-end product development, instigated transformative changes, and consistently delivered outstanding outcomes for stakeholders.

Let's connect and explore how my diverse skill set can elevate and contribute to the success of your organization.

Best Regards,

Experience

IBM

Data Scientist

February 2022 - Present (3 years 8 months)

Kolkata, India

: -

()

- Played a key role in end-to-end development of an automated financial solution for the Oil & Gas upstream sector, focusing on estimating KPIs such as production, expenses, revenue, depreciation, P&L, working capital, cash flow, and taxation. As a result, the entire LE process is reduced from 2 weeks (manual) to 3 days (automated).
- Revamped OPEX/CAPEX by doing cost analysis and building time series model for forecasting full year latest estimate (LE). As a result, reduced manual processing time by 90% with only ~5% variance between actual vs predicted cost.
- Production forecasting of LNG, Condensate, Propane, and Butane with an adjustment of deferments data using time series algorithms resulted in accuracy of ~90% compared to manual forecast accuracy of ~70%.

: -

- Analyzed data from SAP Procure-to-Pay (P2P) systems, and designed a rule-based solution engine leveraging business logic and statistical analysis to detect potential fraudulent activities.
- Developed fraud graph to identify networks of connected entities and identifiers (e.g., emails, bank accounts, addresses, phone numbers). This complex network was queried, visualized, and analyzed to uncover fraudulent activities.

()

- Created time series model for forecasting cash flow across various business areas, achieving greater accuracy in liquidity forecasting compared to complex

manual process, and saving both time and manual effort. Actual vs forecast variance ~5%.

:- Python, PySpark, SQL, Azure Databricks, Azure Data Lake Storage (ADLS), Azure data factory (ADF), Feature Engineering, Time Series Forecasting, Exponential Smoothing, ARIMA, XGBoost, Fuzzy Logic, PowerBI, Stakeholder handling, Agile methodologies, SAP, Fraud analysis.

Wells Fargo

6 years 3 months

Data Analyst/Data Scientist

March 2020 - November 2021 (1 year 9 months)

Bengaluru, Karnataka, India

- Customer Acquisition Analytics: - Built a model for cross selling a credit product to identify the right customers for improving the response rate. As a result, the model reduced the customer acquisition cost by 60%.
- Credit Risk Analysis: - Built predictive models to identify the likely defaulters at the credit card application stage. The model determined the factors affecting the credit risk, mitigated the acquisition risk and reduced the credit loss from 6% to 1% customers.
- Credit Card Fraud Detection: - Built a model with 0.95 ROC-AUC score with several machine learning algorithms while handling the data imbalance.
- Performed EDA on the bank customers data for minimizing the risk of losing money by identifying the group of customers for approving and not approving the loans.

:- Python, Pandas, SQL, Data Processing/Transformation, Feature Engineering, Feature Selection, Model Building, Supervised and Unsupervised learning, Regression, Classification, Clustering, Logistic Regression, Decision Tree, Random Forest, Boosting, Deep Learning, Model Deployment.

Senior Software Engineer

September 2015 - February 2020 (4 years 6 months)

Bengaluru, Karnataka, India

- Worked as an Atlassian consultant, where I have done end-to-end setup of Atlassian tools such as JIRA, Service Desk, Confluence, Fisheye & Crucible.
- Brought best practices in Agile software development, by using the Atlassian tools stack, collaborating with business and quality analysis teams for Market Risk and Credit Risk areas.

- Optimized the production support process by training the team members and leveraging the tools such as JIRA Service Desk and Confluence, which resulted in organized ticket tracking system, delivering solutions within SLA and avoiding customer escalations.
- As part of Wells Fargo Agile transformation, did data migration from several teams' JIRA into the Enterprise JIRA instance.
- As an interim role, worked on batch support for Counterparty Credit Risk production team.

Tata Consultancy Services

Software Engineer

March 2012 - September 2015 (3 years 7 months)

Bengaluru, Karnataka, India

: -

- Worked as a DevOps engineer supporting several tools such as JIRA, Confluence, GitHub, Teamcity, Sonar and Udeploy.
- Brought an efficiency in the team by optimizing the process of resolving tickets within SLA providing best support to the customers for several DevOps tools.
- Developed tools for automating day to day manual tasks for Risk support production team, resulting in saving \$360000 annually (approx.).

: - JIRA, Confluence, Java, Unix, SQL, Software Development, Production support.

Education

Liverpool John Moores University

Master of Science - MS, Data Science · (2023)

International Institute of Information Technology Bangalore

Post Graduate Diploma in Data Science, Data Science/Machine Learning · (2020)

West Bengal University of Technology, Kolkata

Bachelor of Technology - BTech, Electrical, Electronics and Communications Engineering · (2007 - 2011)