

Shubham Goyal

Data Scientist

Data Scientist with 3+ years of experience, working on solving some of the most complex business problems using data analytics, machine learning, and interactive data visualization. Domains of expertise include Anti-Money Laundering (AML), Fraud Detection, and Supply Chain Analytics.

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WORK EXPERIENCE

Data Scientist Barclays

04/2022 - Present

Achievements/Tasks

- Part of the fincrime (Fraud and Surveillance) team to develop solutions for Anti-money laundering and financial crimes.
- Working with business teams to understand the problem and build machine learning-based solutions which can add value.
- Bring in the latest tech for Automation, and build microservice-based pipelines for Machine learning models.

Data Scientist Tookitaki AI

10/2020 - 04/2022

Bengaluru, India

Tookitaki is an industry leading, cloud-based AML (Anti Money Laundering) Transaction Monitoring Software provider.

Achievements/Tasks

- Part of core customer success and research/development team to have engagement with clients and stakeholders to deploy cutting edge AI products (Anti Money Laundering & Reconciliation Suite) to produce results in Banks and Financial institutions.
- Develop algorithms to detect fraudulent Transactions, payments, and money laundering activities in Financial Industry.

Software Consultant - Data Science Knoldus Inc

01/2019 - 09/2020

Noida, India

Achievements/Tasks

- Worked in an Agile environment and different software engineering techniques with clients across the globe.
- Working closely with the business leaders for providing solutions on different domains using Predictive modeling techniques such as Linear, Logistic, Decision Trees, Random Forest, SVM, KNN, and XGBoost.
- Worked on Creating Microservices, Data pipelines using Scala/python along with reactive technologies like Cassandra, Kafka, Akka, Lagom, and NoSQL databases like Cassandra. Worked on DevOps technologies like docker, CI/CD.

EDUCATION

Bachelor of Computer Science and Engineering

Lovely Professional University

08/2015 - 06/2019

Courses

- Major - Data Science

SKILLS

Data Analytics Python Anti-Money Laundering

Linear Algebra , Statistics Machine Learning

Quantitative Analysis Business-oriented approach

PySpark Hadoop Hive Text Analytics

Apache SQL Risk Modeling Scala

PROJECTS

Business Banking Anti-Mules (04/2022 - Present)

- Deliver and maintain automated solution to extract Mule accounts using ML model.
- This machine learning model predicts the likelihood (Probability) of an account being used as a Mule in the future, which further gets ingested to different risk detection platforms within the bank.

Transactions Monitoring System (10/2020 - 03/2022)

- Develop Data transformations (ETL), Models, Algorithms for Primary and Secondary Transaction monitoring.
- The approach uses a proprietary semi-supervised technique that is based on a combination of multi-dimensional unsupervised techniques, network analysis, and supervised learning to detect complex money laundering structuring mechanisms.
- Deployed in various multinational banks and payment providers in APAC, North-America, European region.

Name Screening System (04/2021 - 03/2022)

- Develop Models, Algorithms for Primary and Secondary Name Screening Solution.
- The approach uses proprietary multilayered NLP and supervised techniques which combine approaches in improved matching and techniques (handles typos, spelling errors, titles, prefix/suffix, etc.) and detailed analysis of secondary information obtained either from internal sources or externally available sources.

Trailblazer (01/2019 - 03/2020)

- Developed a Microservice application that is capable to consume and process real-time temperature data collected via sensors to provide monitoring, alerting, and visualization over it.
- Technology Stack: Scala, Lagom, Kafka, Cassandra, Prometheus, Grafana, Docker, Kubernetes.

ACHIEVEMENTS

Knime certified (03/2020 - 06/2020)

Certified with knime level 1- level 4 certifications

Rising star Award (02/2020 - 02/2020)

For showing immense growth as an emerging leader in a staggeringly short period of time

LANL Earthquake Prediction, Kaggle (03/2019 - 05/2019)

Won silver medal and top 2% spot accross the globe