Abhinava Kumar Saha

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Great Learning ePortfolio | Email | Linkedin Profile | Github | Kaggle |

Summary

A **Data and Analytics Manager** with almost 2 years of experience Leading Data Services and Analytics team and executing data-driven solutions in the banking and trade finance domain.
Pursuing a Post-Graduate in Data Science and Business Analytics, seeking to work for a challenging assignment in an organization that offers ample learning opportunities and professional growth in the field of Data Analytics, Statistical Modelling and Data driven decision making.

SKILLS

Machine Learning: Classification, Regression, Dimensionality Reduction (PCA), Clustering, Time Series Analysis, Text Analytics, Feature Engineering, Convolution Neural Network, Image processing.

Statistical Methods: Diagnostic Analysis, Predictive Analysis, Hypothesis Testing, ANOVA, Prescriptive Analysis.

Domain Knowledge: Business Analyst for Banking Trade Finance (IIBF certified), Insurance(US) Retirement, Annuities, Brokerage Accounts (LOMA certified).

Programming Languages: Python, C, COBOL, Data Visualization – Tableau, SQL, KNIME Tool.

Python Libraries: numpy, pandas, SkLearn, Scipy. Statsmodel, matplotlib, TensorFlow, Keras.

Project Management: Project Planning, Capacity Planning, Effort and Schedule Management, Budget and Invoice management and reporting, Managing Attrition and Recruitment.

EDUCATION

Great Learning (Great Lakes Institute) –(2020-21) Great Learning ePortfolio

PGP-DSBA - Post Graduate Program in Data Science and Business Analytics in collaboration with University of Texas, Austin Tx. – Currently ongoing. Course Link..

- Great Learning Data Science June'20 Batch Topper out of 100+ people.
- Scored 99.4% (894.5 out of 900) in last 9 completed modules.

Jadavpur University, Kolkata – (1999-2003) Bachelor of Production Engineering (1st Div).

CERTIFICATIONS or AWARDS

- Certification on TensorFlow for **Artificial Intelligence, Machine Learning, and Deep Learning** from DeepLearning.ai on Coursera. Link to certificate
- Google **Python** crash course certificate on Coursera. Link to certificate

- Banking "**International Trade Finance**" certification from Indian Institute of Banking and Finance (IIBF).
- Insurance LOMA Step 1 Certified.
- ITIL ® v3 Practitioners Certification.
- SAFe Agile Certified.

EXPERIENCE

Great Lakes Executive Learning – **PGP-DSBA Program**

GL ePortfolio: https://eportfolio.greatlearning.in/abhinava-kumar-saha

April 2020 – July 2021.

Projects completed (PGP-DSBA course).

- **Clustering:** Bank Customer Segmentation using Hierarchical and K-means Algorithm.
- **Regression:** Gems price prediction using Linear Regression.
- **Classification:** Insurance Claim Prediction using CART, Random Forest and ANN. Holiday package sale prediction using logistic regression and Linear Discriminant Analysis.
- **Ensemble Model:** UK election exit poll prediction, by building ensemble model using various classification models like, Support Vector Machine, KNN, Naïve Bayes, Logistic Regression and LDA.
- **Image Processing:** Object identification in Images, applied Convolution Neural Network (CNN) using TensorFlow and Keras library.
- **Text Analytics:** Analysis of inaugural US Presidential speeches and building Word Cloud.
- **Time Series Analysis:** Perform Time series decomposition of monthly Wine sales of wine estate and forecast future 1year sales using Exponential Smoothing Models, ARIMA/SARIMA Models and Moving Average Models.
- **ANOVA:** Hay Fever Drug Analysis using Analysis of Variance technique.
- **PCA:** Dimensionality reduction of College Admissions Data, by creating fewer Principal components.
- **Descriptive Statistics and Hypothesis Testing:** Statistical & Probabilistic Analysis of Store Sales, University Survey, & Manufacturing Shingles Data.
- **SQL:** Answer queries of an online retail store to help the company in making data-driven decisions using Joins, Sub Queries, SQL-clauses-statements-conditions on SQLite using DB Browser and MySQL Workbench.
- **Data Visualization using TABLEAU:** Create Interactive dashboards in Tableau to provide high-level insights to the CEO of an Insurance company. Tableau public Link: Insurance dashboard
- **Marketing and Retail Analytics:** RFM analysis and Market Basket Analysis.

Infosys Technologies Ltd, Pune – Data and Analytics Manager

Jul 2018 - January 2020 (Total Infosys Experience - 16 years)

- Liaise with business stake holder, to identify problem area and define problem statement. Coordinate with various teams to collect data, Define project timelines, Coordinate with Team on project execution and delivery.
- Was bridge between the technical and business teams ensuring technical solution delivered meets Business objective.
- Designed and Developed a centrally Managed Team to Support A Leading Global Bank's Trade Transformation (TT) Program. Created a Self-Service Portal, to enable synthetic data generation for Function and Non-Function Testing teams, similar to depersonalized production copy.
- Managed a distributed Team of 50+ people, spread across Infosys and Client locations at Pune, Hyderabad.

- Infosys Account level activities including Appraisal of team, Resource and Revenue management, Attrition management, Recruitment. Team Enablement and Engagement activities etc.

Infosys Technologies Ltd, Pune – Lead Consultant

Jan 2013 – Jun 2018

- Define and maintain Minimum Testing standard framework, in line with standard SDLC and Agile testing methodology, for a Leading Global German Bank, thereby helping bank meet the global compliance requirements
- Conduct Orientation session for Testing teams and perform compliance Audit and provide Compliance Ratings to the Testing teams.

Infosys Technologies Ltd, Hartford, CT USA – Business Analyst/Test Lead

Feb 2007 - Dec 2012

- Requirement Elicitation for new seamless automatic Brokerage Account opening solution connecting Salesforce CRM and Persing NetX360 systems, to help ING US Insurance company, arrest 401K withdrawal by rolling over to Brokerage account.
- Manage the End to End Testing of Insurance Agent's portal from Development to Go-live through to Maintenance phase.

Hackathon Participations

- Great Learning Dish Network Hackathon – 6th Rank (1900+ participants – Mar'21)
  Objective: Predict vehicle loan payment default.
  Type: Classification problem | Performance parameter: F1 score

- Machine Hack – Great Indian Hiring Hackathon – 500 rank (5700 participants - Oct'20)
  Objective: Predict the price of retail items belonging to different categories.
  Type: Regression problem | Performance parameter: RMSE value.

Hobbies and Interests

- Created a Website for prediction of IPL match winner for 2020 season. Created classification models using Random Forest, ANN, Logistic Regression, Implemented the best model on heroku platform, using pickle and Flask. https://ipl-win.herokuapp.com/