

**Aparupa Mitra**

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**GitHub:** <https://github.com/aparupamitra>

Actively seeking opportunities as Data Scientist or Data Analyst or ML engineer with a passion for delivering valuable data through analytical, modelling and data visualization methods and apply my skills in an innovative and simplify process. Looking for opportunity to work with complex dataset and use statistics and machine learning methods to extract patterns that drive meaningful impact on business.

Completed studying Master of Data Science at RMIT university, Melbourne in year 2021, Australia. Having computer science engineering background and around nine years of IT industry experience as consultant, encompassing a wide range of skill set, agile methodologies, roles and industry verticals. Good communication skills, interpersonal skills, self-motivated, quick learner, active team player. Proficient in analyzing and translating business requirements to technical requirements.

## **Skill Sets**

### ***Data Science Activities: -***

- **Machine Learning Algorithms** -: Supervised Learning like Linear regression, Polynomial Regression, Classification algorithms like K-nearest neighbour algorithm, Support-vector machines, Decision trees, Random Forest, Naive Bayes, Logistic regression and unsupervised Learning techniques like K-means clustering, DbSCAN clustering, implementing Customer segmentation using unsupervised learning.
- **Deep Learning algorithms** -: Multilayer Perceptron, TensorFlow, Keras API (Sequential and Functional), Image classification using Convolutional Neural networks, Text classification, Sentiment Analysis, Sarcasm detection, hate speech analysis using Natural Language Processing.
- **Data Science lifecycle**: Data Cleaning, Data Wrangling, Feature Selection, Feature Scaling, Data Modelling and Data Visualization using matplotlib and seaborn library.
- Time series and Forecasting using R programming.
- **Programming language**: Python, R, SQL querying in MYSQL.

### ***Visualization and Business Intelligence Tool*** - Microsoft PowerBI

***Cloud Technique:*** -AWS: Management console with EC2, ML using Amazon Sage maker etc.

**GCP:** ML python coding using Google Colab, Querying in Google Big Query.

**Big data:** Hadoop using AWS EMR, Apache Spark Scala.

***Certifications:*** -AWS certified cloud practitioner.

## **Accomplished Projects**

1. Developed machine learning models in python programming to identify and classify the subsets of protein levels in Mice Protein Expression for mouse model experiment of Down Syndrome.

**GitHub link:** <https://github.com/aparupamitra/Python-project-Protein-classification>

2. Classification of histopathology images of colon cancer according to cell-type, such as: fibroblast, inflammatory, epithelial or 'others' using Deep learning technique Convolutional neural network.

**GitHub link:** <https://github.com/aparupamitra/IMAGE-CLASSIFICATION-OF-COLON-CANCER>

3. Sentiment analysis of Stock Market tweets. using Natural Language Processing in python.

**GitHub link:** <https://github.com/aparupamitra/Sentiment-Analysis-on-Stock-market-tweets->

4. Data Analysis of audiences view about movie 'Star Wars'.

**GitHub link:** <https://github.com/aparupamitra/Data-analysis-of-audiences-view-about-movie-Star-Wars>

5. Exploratory data analysis to find out the hot zone of terrorism using python (Internship project).

**GitHub link:** [https://github.com/aparupamitra/EDA\\_Analysis\\_of\\_Terrorism](https://github.com/aparupamitra/EDA_Analysis_of_Terrorism)

6. COVID-19 analysis in R programming with implementing all key concepts of Data Science.

**RPubs link:** <https://rpubs.com/aparupamitra/678155>

7. Build interactive dashboard using R flex dashboard to visually represent gender gap story of advance country like USA and other countries of rest of the world.

**RPubs link:** <https://rpubs.com/aparupamitra/761633>

8. Forecasting and building time series models to predict solar radiation reaching the earth at a particular location over the globe using R programming.

**RPubs link:** <https://rpubs.com/aparupamitra/810729>

### **Education:**

- **SSC (Class X)**, Central Board of Secondary Education, India - May 2003, (83.40 % in X Board Exam)
- **HSE (Class XII)**, Central Board of Secondary Education, India - May 2005, (83.50 % in XII Board, High school exam)
- **Bachelor of Technology in Computer Science & Engineering** - August 2009, West Bengal University of Technology, India - (GPA: 8.26 out of 10)
- **Master of Data Science** - RMIT University, Melbourne, Australia, Feb 2020 – Dec 2021, (GPA: 3.5 out of 4)

### **Work Experience**

- Tata Consultancy Service Limited (TCS), INDIA, December 2009 - April 2013
- IBM, INDIA, June 2013 – September 2019
- **INTERNSHIP:** Data Science & Business Analytics internship, The Sparks Foundation, Singapore (Nov 2020-Dec 2020)
- **INTERNSHIP:** MedTourEasy, Machine Learning and AI Trainee, (Oct 2021)

## **TATA CONSULTANCY SERVICE LIMITED**

**Client:** Australia Gas Light (AGL) Energy, March 2010 – April 2013

**Headquarter:** Melbourne, Australia

**Work Location:** Kolkata, India

**Designation:** SYSTEMS ENGINEER, SAP CONSULTANT

### **Responsibilities:**

- Functional feasibilities of SAP CRM (customer relationship management) version 5.0 and developments of functional design documents like different Enhancements, Forms, Reports, and Interfaces. Ticketing tools: Manage Now System, BMC Remedy system.
- Configuration of system through CRM AND ECC SPRO transaction
- Handled many RFS (request for services) and converted them into Statement of work (SOW) and carried out functional design, testing (testing tools like HPQC tracking defects) and finally dropping it into production system.

## **IBM, INDIA**

1. **Client:** Deutsche Post DHL (Germany), July 2013 – October 2016

**Headquarter:** Bonn, Germany

**Work Location:** Kolkata, India

**Designation:** Package Solution Consultant SAP CRM

### **Responsibilities:**

- As a SAP CRM, functional consultant responsibilities include gathering client requirements, feasibility analysis of different CRM sales and Marketing issues, carrying out process changes in system and maintaining a sound relationship with the client.
- Team member of implementation /enhancement project in SAP CRM (7.2 version) of DHL client. Designing, configuration (both Webui component workbench and GUI), testing (through HPQC tool) and implementing in production landscape. GSN ticketing tool for incidents, problem tickets.

2. **Client:** Rockwell Automation (USA), November 2016 – September 2019

**Headquarter:** Milwaukee, USA

**Work Location:** Kolkata

**Designation:** Package Solution Consultant SAP CRM / SD

### **Responsibilities:**

- As a SAP Order Management Functional consultant, responsibilities include providing quick resolution to different customer support issues in SAP CRM and SAP SD.
- Worked in 'LATAM INVOICING' Project with Latin American client invoices and carried out daily monitoring, handling complex data issues, and fixing issue/new requirement via Change request, Testing (through HPQC tool) and finally drop in production system.
- Worked in new ticketing tool: Service Now ticketing tool for incidents, change management.

**Awards & Recognition:** IBM eminence & excellence award in years: 2014, 2015, 2016 ,2017 ,2018