

KARAN MITRA

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Academic e-Portfolio & GitHub: <https://eportfolio.greatlearning.in/karan-mitra>, <https://github.com/karanmitra>

Overall 1.5 years' experience in Data Science and 3 years' in Power Plant Operation, Business Analyst pursuits and service delivery.

CORE COMPETENCIES.

Advanced Statistics & Analytics | Statistical Modeling & Hypothesis Test, T-Test, Z-Test, ANOVA, CHI-SQUARE | Predictive Analytics & Modeling | Business Data Analysis | Microsoft SQL Server | CRISP-DM Methods and Model Deployment | Database Management | Server Supportability & Testing | Creative Thinker | Team Management

IT SKILLS.

- Key Skills:**
Python, Machine Learning, Data Science, Data Analytics, Django, FastAPI, MySQL, PostgreSQL, AWS, Tableau, Power BI, Grafana, Rapidminer, SPSS Modeler, Deep Learning, NLP, Github, Docker, MS PowerPoint, MS Excel, MS Word, MS Office
- Statistics/ML:**
Exploratory Data Analysis, Linear Regression, Logistic Regression, Classification, Decision Tree, Ensemble Trees, Random Forest, Gradient Boosted Trees, Text Analysis, Neural Network, Bayesian Statistics, SVM
- Packages:** SciKit-Learn, NumPy, SciPy, Plotly, Pandas, NLTK, Matplotlib, StatsModels, allenNLP

ACADEMIC BACKGROUND.

Post Graduate Diploma in Data Science

IIIT Bhubaneswar, Odisha
8.46% (CGPA), Aug 2019 – Nov 2020

Post Graduate Diploma in Thermal Power Plant Engineering

NPTI NER, Guwahati
77.92%, Jul 2013 – Aug 2014

B.Tech (Electrical Engineering)

West Bengal University of Technology, Kolkata
8.29% (CGPA), Jul 2009 – Aug 2013

Date of Birth: 31st December 1989

ACADEMIC PROJECTS BRIEF SUMMARY:

- Identifying factors for prediction of price of a house
- Segment the customers based on their purchase behaviour.
- Identifying factors which affect the strength of concrete.
- Predicting the term-deposit subscription and many others.

AWARDS & ACHIEVEMENTS.

Identifying Recipient of **CEO Kitty Award**. "Special Award-Q4 (Quarter 4) Saving Projects" towards achieving "Lowest SCC (Specific Coal Consumption) at 767" in Vedanta Limited.

Awarded Best Shift in the month of March 2018 for maintaining optimal parameters in operation in Vedanta Limited.

LANGUAGE

English: Read, Write, Speak
Hindi: Read, Write, Speak
Bengali: Read, Write, Speak

PROFESSIONAL EXPERIENCE:

Company: Aptus Data Labs Technologies Pvt. Ltd.

Mar 2021-Present
Bangalore, India

Designation: Jr. Software Engineer

Brief Summary:

- Client:** A Pharma Company:
Product: apt check (a flagship product of AptusDataLabs): An AI / ML based NLP application for Automated Checklist Generation for each QC report generated by Track wise application and system designs. Backend Development of aptcheck in Django.
- Project: Predictive Maintenance using Machine Learning:** This project shows how we can build a Predictive Maintenance applications to train input data as historical sensor readings to predict how much longer the asset(machine) is likely to work for before it becomes critical. Involved in making Dashboard in Grafana, Tableau & Power BI and model deployment using fastapi.
- Project: AWS DMS (Database Migration Service):** Hands on experience as a part of cloud management team to migrate current state of customer database and formulation of the "target state" with focus on application, workload migrations from on-premises to public cloud infrastructure with end to end encryption in transit.
- Detailed understanding of public cloud models (IaaS, PaaS, SaaS) and providers (AWS).
- Design, development, limited enhancements, updates, and programming changes for portions and subsystems of data and reporting applications software running on local and networked platforms.

Company: Vedanta Limited

Nov 2014-Jul 2019
Orissa, India

Designation: Assistant Manager

Brief Summary:

- Business Analytics, Intelligence and report making of Daily Plant Performance Report.
- Involved in Classification technique to incorporate different equipment defect status and to perform Predictive Maintenance of them. Raw data taken from various sensors of those equipment. Build End to end Data Pipeline.
- Involved in making Dashboard in Tableau & Power BI as a part of Business Intelligence.
- Knowledge in Grid Management, System control, Scheduling, Dispatch, Fuel Management, Power Plant Chemistry, Fuel oil handling, Raw water system, and Ash disposal system.

INTERNSHIP:

Apr 2020 – Jul 2020
Bangalore, India

• Topic Classification Using AWS Comprehend

Topic classification is the process of assigning tags or categories to documents of text according to its content.

Tools Used: Amazon Comprehend

Client: Aptus Data Labs Technologies Pvt. Ltd., Bangalore

• Business Use Case of Amazon Fraud Detection

With Amazon Fraud Detector, one can send as little as an email and IP address from a guest checkout order to assess its potential fraud risk so you can decide whether to accept it, review it, or collect more customer details to identify possible predictors of fraud associated with known fraudsters and their actions in the past.

Tools Used: Amazon Fraud Detector

Client: Aptus Data Labs Technologies Pvt. Ltd., Bangalore