

## SAMAR BALLAV NAYAK

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### Professional Summary

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Process oriented data analyst with over 3 years of experience. Adept at receiving, Monitoring and automating data from multiple database sources. Experienced in keen communicator with strong solving problems through people management skills and interpreting and analyzing trends, reporting complex data to take better business decision.

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### Technical Skills

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<b>Analytic Skill-</b>	Data mining and Cleaning, Exploratory data analysis, Data Warehousing, Data visualization, database management, Report generation.
<b>Data Analytic Tool-</b>	Advanced Excel, power BI.
<b>Database System-</b>	MySQL, PostgreSQL.
<b>Programming-</b>	Python, R, Excel Macros and VBA.
<b>Other Skills-</b>	Strong communication and creative problem solving. Highly organized multitasker and familiar with administrative responsibilities. Dedicated team player.

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### Experience

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#### Proziod Analytics Pvt Ltd.

##### Data Analyst - Energy Domain

**August 2019 – Present**

- Formulate SQL Query procedure for data extraction, transformation and integration of data (energy utility bills) from multiple database.
- Data processing, Data cleaning and data validation for accuracy of data (energy utility bills) used for analysis.
- Advanced excel skills with ability of writing logic statement (vlookup, reverse lookup, pivot syntax, conditional formatting)
- Steps of methodology through a business process and understand what is broken, the root cause, the corrective action and the preventive action.
- Perform exploratory data research on the data from energy sector for insights using python and power BI which has led a saving 75% of the time.
- Utilize power BI to design and deliver analytics insight, create visual reports, dashboards and performance metrics to help support key business decision.
- Building Product charter, product backlog implementing in JIRA and confluence.
- Communicated and presented insights clearly and compellingly to senior leadership of the organization.

#### Vaidehi Software Technology

##### Digital Services Analyst Intern – Analytics Business Insights.

**October 2018 – March 2019**

- Fetching raw data of demographics, product purchase history, customer info of registered customers.
- Data collection, data cleaning, data validation and visualization and performed gap analysis.
- Data segmentation techniques applied on dataset and identified the group of customers with scatter plots of similar characteristics and target them better and scalable.
- Analyzed dataset in MS excel and used advanced excel to analyze and summarized satisfaction data to produce weekly and monthly data.

- Architectural design and conceptual design discussion with clients.
- Planning mechanical system analyzing heat and cooling load, air flow schedule, air terminals, duct work manually design.
- Design basic reports with cooling load calculations, ventilation calculation, equipment datasheet, Preparation of requests for quotation and BOQ, HVAC layout with coordinate of other services.

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## **Academic Project**

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### **Fraud Analysis, Decision tree (Python)**

- To detect the probability of frauds from the historical data.
- The bank's credit department is trying the people who are making fraud in paying their loans to the bank. Specifically, the bank wanted to know to whom they should sanction the loan based on the previous behavior of the customers towards their banking nature and their income and occupation and some other correlated attributes. Based on the cross table value the accuracy of the model is predicted and its found to be 91.3%.

### **Airbnb Data Analysis, Business Analytics with R**

- Implementation of data mining techniques to gain insight in business, helping to rise in the market.
- Build models using Decision Tree, Neural Networks, Logistic regression to analyze KPI's behind the determination of price of a room for the new hosts and predicated about 19% profit.

### **Statistical Analysis using Excel and power BI**

- Evaluated sample data using outlier analysis, boxplots, V-lookup, Reverse lookup, chi-square, Normal and T-distribution.

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## **Education**

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### **Bachelor's degree in mechanical engineering.**

Biju Pattnaik University of Technology (SCITM, Odisha) India

### **Higher Secondary Education in Science.**

Kendrapara Autonomous secondary college (Odisha board) India.

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## **Certification**

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- Full stack data science and machine learning program. (Jigsaw Academy School of Analytics, Bangalore)
- Certified in telecom churn analysis by Jigsaw Academy.