

Siddharth Tripathi

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EDUCATION

Bachelor of Engineering, Electronics and Communication

Aug 2012 – May 2016

RV College of Engineering, Visvesvaraya Technological University, Bengaluru, Karnataka

July 2016

EXPERIENCE

Work Experience

❖ **Rankethon – Business Innovation Manager, Bengaluru, Karnataka**

September 4, 2017 to December 6, 2019

- Design, develop and establish KPIs to monitor analysis and provide strategic insights to drive performance in all delivery measures including Marketing and Customer Service metrics.
- Outlined work plans, determined resources, wrote timelines and generated initial budgets as part of project scope determination for new projects.
- Successfully implemented two projects and managed a team of 6 members - budget estimation – market metrics – web development.
- Tools: Google Analytics, R, SPSS, MySQL, Excel.
- Languages: Python (Numpy, Pandas, Matplotlib, Seaborn, Linear Regression, Logistic Regression), R, SAS, SQL.

❖ **Wells Fargo – Analyst, Bengaluru, Karnataka**

July 4, 2016 to August 5, 2017

- Developed, optimized and maintained data architectures for Home Equity Business Intelligence team under the Consumer Lending Technology department - shared 30% of the project tasks.
- Supported the data warehouse during builds for the team - performed tasks like testing, debugging and querying on the data sets.
- Awarded Wells Fargo Champion Award for a project on Airline Reservation System.(2016) from amongst 30 teams.
- Tools: Ab Initio, Excel, Unix, Python, SAS
- Languages: Shell Scripting, SQL, C++, Python, SAS

Professional Projects:

❖ **Anomaly detection and root cause analysis:**

Skills: Python, SQL

- The scope of the project includes building causal graph for bad rate KPIs, their anomaly detection as well as their root cause analysis using graph traversal process at overall and different dimensional level.
- ❖ Built and deployed completely dynamic executive level KPI dashboard on both Power BI and Tableau for Indian e-commerce client
- ❖ Conducted US zip-code level exploratory data analysis of sales, revenue and marketing data, drawing the sale insights and representing them on Tableau for Fortune 500 Brewing client

Academic Projects:

❖ Cloud based Intelligent Traffic System

(Presented at International Conference on Trends in Electronics and Informatics ICOEI-19 sponsored by IEEE – listed in IEEEExplore)

- Created a working model of Intelligent Traffic System which can detect traffic rules violations and accidents based on Raspberry Pi.
- The project was integrated with Microsoft Azure cloud for real-time monitoring.

❖ Game Theory for Energy Efficiency in Wireless Sensor Network

- Used game theory algorithms to group and sort a set of wireless sensor nodes in a network.

❖ Cloud Based Sewerage Monitoring And Predictive Maintenance Using Machine Learning

(Published in IRJET Journal Vol 6 Issue 4)

- Created a working model of a sewerage monitoring system using Raspberry Pi.
- The model is equipped with self and predictive maintenance with the help of machine learning techniques namely PCA algorithm.

OTHER ACTIVITIES

- Volunteer at Netraheen Kanya Kendra, Jabalpur, India - a school for blind girls.
- Volunteer at Virat Hospice, Jabalpur, India - a hospital for terminal stage cancer patients.
- Member of winners team at Dainik Bhaskar Football Trophy (District level).
- Worked with government schools in New Delhi Area to impart lessons on advancing technology and future scope of engineering.

TECHNICAL SKILLS

Operating System: Unix, Linux, Windows, MacOS

Languages: C, C++, Python (Numpy, Pandas), R, TCL, Shell, SQL, SAS

Tools: Tableau, SAS, R, MySQL, AbInitio, Synopsys

Relevant Coursework: Optimization Techniques, Linear Algebra, Calculus, Data Structures, Statistical Modeling