VIKAS SHRIKKANT RAI

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EDUCATION

University of Mumbai, Rizvi College of Engineering **Aug 2018 - July 2021**
Bachelor of Engineering in Electronics - **GPA: 7.76 / 10**

MSBTE, Shri Bhagubhai Maftlal Polytechnic **Aug 2013 – July 2017**
Diploma in Chemical Engineering - **Percentage: 65.17 / 100**

SKILLS

Domain: Primary Research, Market Research

Programming Languages: Embedded C, C++

Tools and Platforms: IBM SPSS, Quantum, Excel

EXPERIENCE

Data Analyst @ Course5 Intelligence, Mumbai **April 2021 – Aug 2023**

- Assisting clients from various domains to get clean data from the field leveraging SPSS tool by performing operations such as data validation, Data manipulation and cleansing.
- Providing research Insight by analyzing and tabulating clean data using Quantum tool.
- Collaborating with Internal teams to ensure timely delivery of the project. Managing all the project documentations and maintaining the trackers.

PROJECTS

Battery Management Style –

- Battery Management Systems (BMS) play a crucial role in industrial and commercial setups.
- Their primary function is to enhance battery efficiency while prioritizing battery health.
- The overarching goal is to extend battery lifespan by avoiding potentially damaging operational states.
- To achieve this, various monitoring techniques are employed:
- Monitoring the state of charge of the battery.
- Tracking battery temperature to prevent overheating or extreme cooling.
- Observing the battery's current flow for optimal usage
- By closely monitoring these parameters, the BMS ensures a comprehensive understanding of the battery's overall condition.

Smart Irrigation System –

- Built an automated irrigation system refers to the operation of the system with no or just a minimum of manual intervention beside the surveillance.
- It makes the irrigation process more efficient and workers can concentrate on other important farming tasks.
- System can be operated at night, water loss from evaporation is thus minimized resulting increase in good yield of crops in terms of both qualityand quantity.

Liquid Level Monitoring System –

- Built an IoT-based liquid level monitoring project that can remotely monitor a particular liquid’s level and prevent it from overflowing. This project holds immense value for the industrial sector that uses large volumes of fluids in their day-to-day operations. Apart from detecting a liquid’s level, this monitoring system can also be used to track the usage of specific chemicals and to detect leaks in pipelines.
- The system is fitted with ultrasonic, conductive, and float sensors. A Wi-Fi module helps connect the system with the Internet and facilitates datatransmission. Four ultrasonic sensors help transmit the data on the liquid level and alert the user on the same.

CERTIFICATIONS/ACHIEVEMENTS

- Advanced Excel Certificate through internal Learning Management System of Course5 University.
- Basics of C++ from LinkedIn Learning.

STRENGTHS

- Enthusiastic.
- Patience.

HOBBIES

- Reading.
- Playing badminton.