

Tirth Shah

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EDUCATION

University of Maryland, Robert H. Smith School of Business
Master of Information System
• Terrapin Scholarship

College Park, MD, USA
December 2024

Vishwakarma Government Engineering College
Bachelor's Degree, Electronics and Communication

Ahmedabad, Gujarat, India
June 2022

TECHNICAL SKILLS

Skills: Data Analysis, Data Visualization, Database Management, Strategic Planning, Collaboration, Communication, Project Management, PHP

Technical Skills: Python, SQL, MySQL, NoSQL, R, Microsoft Excel, PHP, JSON, HTML, CSS, PHP

Tools: Tableau, PowerBI, R Studios, Microsoft SQL server, Spark, Hadoop, Jupyter Notebook

PROJECT EXPERIENCE

Product Recommendation Analysis

- Conducted an in-depth analysis of a diverse product market, utilizing a dataset comprising over 1.5 million customer reviews. Uncovered the top-rated product categories, with Category A leading at 28% preference, Category B at 22%, and Category C at 18%
- Developed a predictive model that attained an 86% accuracy rate, delivering tailor-made product recommendations. Explored the impact of crucial features, including functionality, design, and brand recognition, in influencing overall product success.

Voice Controlled Bot

- Led the development of a Voice Controlled Bot, achieving an accuracy rate of 94% in voice recognition accuracy through the integration of a state-of-the-art speech recognition module.
- The Arduino-based device demonstrated responsive multi-directional movement, with an average response time of 0.5 seconds, enhancing user experience and showcasing proficiency in hardware design and programming.

Smart Pole

- This project is innovatively structured in such a manner that it delivers a bundle of smart service. One of them is that the streetlight illuminates at low voltage, but when a motion is detected using an IR sensor it illuminates brighter.
- Implemented a comprehensive strategy to drive the adoption of renewable energy solutions, resulting in a 20% increase in the usage of green energy and a significant reduction in the carbon emissions.

WORK EXPERIENCE

MSquare Technologies
Data Analyst

Surat, Gujarat, India
May 2022 – July 2023

- Developed and implemented reports and dashboards to effectively communicate data analysis findings, achieving a consistent 95% satisfaction rating from both internal teams and clients.
- Collaborated cross-functionally to analyze and address complex business challenges using data analytics skills and data-driven approaches, resulting in a 20% increase in resolving business issues within established timelines.
- Utilized advanced data visualization tools such as Tableau and Power BI to create compelling visual representations of data insights, contributing to a 15% improvement in stakeholder data comprehension.

MSquare Technologies
PHP Developer Intern

Surat, Gujarat, India
February 2022 – May 2022

- Developed and implemented a comprehensive Driver Management System to streamline coordination of driver and bus details, reducing administrative errors by 20%, improving overall relationship management and operational efficiency.
- Along with this, Enhanced the scalability and user experience of the Driver Management System by introducing automated reporting features.

EXTRA-CURRICULAR ACTIVITIES

- Engaged in tree plantation, marathons, and college events, volunteered for Gujarat Technological University Central Techfest, and participated in a workshop on "Machine Learning and Artificial Intelligence."