PRAVESH RANA

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EDUCATION

MSc. Business Analytics, University College Dublin   Sept 2024 – Aug 2025
Key Modules: Statistics, Python programming, Business decisions & support systems, Technology consulting, Optimization in business

B.Tech. Electronics & Communication Engineering, Bharati Vidyapeeth's College of Engineering   Aug 2020 - July 2024
Key Modules: Digital communication, Engineering mathematics, Adhoc Networks, Signals & systems, VLSI design, Microwave engineering

WORK EXPERIENCE

Capstone Project – Deloitte   May 2025 - Aug 2025
- Designed a dual-component solution integrating a **Gen-AI powered web app** for store managers and a **Microsoft Fabric dashboard** for national ESG teams.
- Implemented **expiry alerts, AI-driven promotions and CO_2 savings calculations** using Python, RFID data and Power BI visualizations.
- Delivered a system architecture enabling real-time waste analytics, aligning with **Ireland's 2025** sustainability **targets.**

AI Model Training Executive - Outlier   Dec 2024 – Apr 2025
- Contributed as **a freelance AI model trainer at Outlier AI**, enhancing generative models through code evaluation and feedback.

Business Analyst – Shree Construction Company   Dec 2023 - July 2024
- Conducted data-driven analysis to **optimize construction project costs** and resource allocation, improving efficiency.
- Managed tender submissions and filed competitive quotations**,** securing **3 high-value contracts** worth **$2M+** within a year.
- Assisted in financial forecasting and budgeting to **enhance project profitability by almost 15%** and cost control.

Analyst Intern - Emerzin Media   Jul 2023 – Nov 2023
- Designed data visualization dashboards that tracked real-time sales performance against projections, facilitating prompt strategic adjustments that **contributed to surpassing sales goals by 30%.**
- Revised marketing strategy for e-commerce and digital retailing using targeted **Google Ads.**

PROJECT EXPERIENCE

Big mart sales prediction using machine learning
- Developed a linear regression model in Python to predict Big Mart sales, achieving a prediction **accuracy of over 85%**.

Fraud transactions identification using machine learning
- Developed a classification model to detect fraudulent transactions, **achieving over 80% accuracy** through supervised learning
- Conducted extensive hyperparameter tuning on a **dataset of 240K+ transactions**, **increasing detection precision by 15%** and enhancing overall model robustness.

SAP Business ByDesign – Project-Based Services Implementation
- Led a full-cycle **Order-to-Cash (O2C)** process using **SAP ByDesign**, encompassing **sales order creation**, **customer invoicing**, **inventory movement**, and **financial reconciliation**.
- Gained hands-on experience **in ERP workflows**, resource allocation, and real-time analytics through a project simulation.

Other Projects: **Instagram Clone Database using SQL, Hiring Process Analytics, Customer Churn Rate Prediction, Portfolio Website**

SKILLS

- **Technical Skills:**   Python, OOPs, SQL, Statistics, Data Analysis, Ensemble Methods, Clustering Algorithms, Financial Modelling
- **Tools:**   Excel**,** Tableau, Power BI, SAP, PowerPoint, PowerApps, Celonis, GitHub, CapCut
- **Soft skills:**   Teamwork, Attention to detail, Decisive, Flexibile, Critical thinking, Counter-intuitive, Reporting, AGILE
- **Interests:**   Powerlifting, Emerging Technologies, Volunteering, Video editing, Hiking, Reading, AI

CERTIFICATIONS
- Microsoft Certified: Fabric Analytics Engineer Associate (In progress)
- UCD Global Leadership Programme
- McKinsey Forward Program
- Bloomberg Market Concepts

EXTRA-CURRICULAR
- **Operations Executive** at TEDx: Coordinated a **25-member team** to organize Ted Talk 2023 event.
- **Published a research paper** on Storing Healthcare Records Using Blockchain and **presented in a conference**.
- **Mentored 10 students** as a teacher assistant during summer training at Brain Mentors Pvt. Ltd.