

# Pravesh Rana

+353 870379117 | ranapravesh30@gmail.com | [LinkedIn](#)

I am an MSc Business Analytics candidate with experience leveraging Python, SQL, Tableau, and Power BI to drive data-driven business transformation. Skilled in delivering data-driven insights for optimization, I excel in dynamic environments, collaborating with global teams and engaging diverse stakeholders effectively. I am passionate about using machine learning and analytics to solve business problems sustainably, and I am eager to contribute to innovative, high-impact solutions in a rapidly evolving industry.

## 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

**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%**
- Automated a data pipeline from government sources, reducing data processing time by 60% and enabling real-time dashboard updates without manual intervention

### 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, Predictive Modelling
- Tools:** Excel, Tableau, Power BI, SAP, PowerPoint, Celonis, GitHub, CapCut
- Soft skills:** Teamwork, Attention to detail, Decisive, Flexible, 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)
- McKinsey Forward Program
- Bloomberg Market Concepts

## EXTRA-CURRICULAR

- Contributed as a **freelance AI model trainer at Outlier AI**, enhancing generative models through code evaluation and feedback.
- Volunteered for the **Dublin Coffee Festival**, assisting with **attendee registration and front-desk coordination**.
- 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.