

# RANJAN M

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## Profile Summary

Dual-degree graduate in Computer Science and Data Science with strong expertise in SQL, Python, and data analytics. Experienced in transforming raw datasets into actionable insights through data cleaning, exploratory analysis, and dashboarding. Delivered measurable impact during internship by automating reports and reducing manual effort by 50%. Passionate about solving real-world business problems using analytics, machine learning, and visualization, and seeking entry-level Data Analyst or Data Engineer roles.

## Skills

**Programming:** Python, SQL, C, C++, Java, C#

**Tools & Technologies:** Microsoft Excel, Power BI, Tableau, .NET Framework, Microsoft SQL Server, MS Office

**Data Skills:** Data Cleaning, Data Analysis, ETL, Dashboarding, Reporting, Automation (Excel VBA)

**Libraries (Python):** NumPy, Pandas, Matplotlib

## Experience

**DATA ANALYST INTERN**, Trainity (Remote)

May 2024 – Jun 2024

- Analyzed 50K+ records using SQL queries and joins to generate actionable insights for cross-functional business teams.
- Cleaned, transformed, and validated large datasets to improve reporting accuracy and consistency.
- Implemented a new reporting using Excel Pivot and VBA which help reduced processing time by 50%.
- Analyzed bank loan data to determine factors influencing loan approval and defaults.

## Projects

### Automated Tomato Quality Classification Using Vision Transformers (ViT)

- Built Vision Transformer (ViT) model achieving 93% classification accuracy across 4 tomato quality classes.
- Automated manual grading process, reducing inspection time by 70% and increasing consistency.
- Processed and labeled 1,000+ images; applied preprocessing and augmentation to improve model generalization.

### Impact of Car Features on Price and Profitability

- Analyzed 5,000+ records with 15+ vehicle features using regression and correlation models.
- Identified top 3 profit drivers, increasing pricing strategy effectiveness by 12%.
- Provided actionable insights to optimize feature offerings and pricing strategies for increased profitability.

## Education

**PSNACET**, Master of Computer Applications (CGPA – 8.27) Sept 2023 – May 2025

**The American College**, B.Sc. Computer Science (CGPA – 8.1) July 2020 – May 2023

**The American College**, B.Voc. Data Science (CGPA – 8.5) Nov 2020 – May 2023

## Certifications

- Oracle Cloud Infrastructure 2025 Certified DevOps Professional | Oracle** | Oct 2025 - Oct 2027
- Data Analytics Virtual Internship** | Trainity | June 2024
- Agile Job Simulation | JPMorgan Chase & Co. (Forage)** | Apr 2024
- Computer Vision Basics | Coursera** | Sep 2020

## Languages

**English** - (Professional proficiency) | **Tamil** - (Native proficiency)