ANSHITA PRIYADARSHINI

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Summary

MSc Business Analytics student at the University of Edinburgh with expertise in Python, SQL, Excel, and Tableau. Experienced in large-scale data cleaning, analysis, visualisation, and machine learning. Strong interest in Open Research practices, ensuring data integrity, reproducibility, and producing analytical reports that support research compliance and data-driven decision-making.

Skills

Data Analysis: Excel, Pandas, NumPy, NLP (Text Classification)
Programming: Python, SQL, R
Visualisation: Tableau, Matplotlib, Seaborn

Experience

Data Analyst Intern Dec 2025 – Present

Credit Research Centre, University of Edinburgh

- Manage large-scale web analytics datasets and the Centre's GitHub repository, applying anonymisation protocols to ensure **GDPR compliance** and reproducible research workflows.
- Design interactive dashboards to evaluate global research engagement, conducting exploratory analysis to translate behavioural trends into stakeholder reports.

Research Assistant Nov 2025 – Present

University of Edinburgh

- Developed a Python-based evaluation tool synthesising **22+ quantitative indicators** across **300k+ records** (Census, SIMD) to model access barriers for **32 Local Authorities**.
- Implemented a fully reproducible analysis pipeline and performed sensitivity analysis to validate methodological robustness, aligning with **Open Research transparency principles**.

Projects

Quantitative Analysis of International Graduate Careers Link Nov 2025

Tools Used: Python (Pandas), Seaborn, SciPy

- Engineered a cleaning pipeline for **300,000+ survey records**, preserving **100% sample integrity** by classifying **143,356 missing values** as a distinct category rather than dropping data.
- Quantified a "Multiplier Effect" (**Cramér's V = 0.400**) using multivariate analysis, identifying a **15% employment gap** and translating findings into evidence-based curriculum recommendations.

Patient Health Data Analysis Link Nov 2024

Tools Used: Pandas, Matplotlib, Seaborn

- Processed and cleaned **51,000 hospital visit records**, resolving missing values, duplicates, and inconsistent data types to ensure analytical reliability.
- Produced **10+ visualisations** identifying a 15% increase in asthma cases under 18, a 10% rise in hypertension in males over 50, and a 12% increase in diabetes prevalence across age groups.

UK Gender Pay Gap Analysis Link Oct 2024

Tool Used: Microsoft Excel

- Analysed gender pay gap data from **15,000+ UK companies** over five years, calculating mean pay gaps, bonus gaps, and workforce representation using advanced Excel techniques.
- Identified a **45.41% increase** in female representation in the top pay quartile and highlighted Scotland as having the highest pay gap (24.66%), presenting findings via an interactive dashboard with 6+ slicers.

Publications

- P. Ragam, B. T. R. Sai, **A. P. Mekatotti**, N. Ojasvi, A. Jahnavi, P. Danaveni, "Machine Learning-Enabled Examination Feedback System," 2025 3rd IEEE International Conference on Industrial Electronics: Developments & Applications (ICIDeA), Bhubaneswar, India, pp. 1–6, 2025, doi: 10.1109/ICIDeA64800.2025.10963164.

Education

University of Edinburgh Sep 2025 – Present

MSc Business Analytics *Expected 2026*

Vellore Institute of Technology AP University Aug 2021 – Aug 2025

B.Tech CSE (Specialisation in Artificial Intelligence & Machine Learning) *CGPA: 8.6/10*