PARTH RAIT

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EDUCATION

B.A. Economics – Tata Institute of Social Sciences (TISS), Tuljapur (2023 – 2026)
CGPA: 7.8 | Ranked 3rd in Department
Professional Certificate in Data Science & Artificial Intelligence – Indian Institute of Technology Guwahati (2023 – 2024) | CGPA: 7.1

PROFESSIONAL EXPERIENCE

ML & NLP Research Intern – Edunet Foundation (via Microsoft)   **April - May 2025**

• Built a WhatsApp-chat sentiment-analysis pipeline in Python: tokenization, lemmatization, emoji/slang handling, TF-IDF & BoW features.
• Benchmarked 4 ML classifiers – Logistic Regression, Naïve Bayes, SVM, Random Forest – achieved ≈82% accuracy for 3-way polarity detection.
• Applied K-Means clustering to reveal latent conversation themes; linked mood cycles to ad-receptiveness for ad-targeting strategy.

Finance Head & Founding Member – Career Guidance Cell, TISS Tuljapur   **May 2024 - July 2025**

Drafted the Cell's constitution & policies; set up transparent budgeting & accounting systems.
• Managed ₹2 lakh+ annual student-fund; prepared budget forecasts for 25+ events/workshops.
• Designed need-based fee-waiver rules improving low-income student access by ≈30%.

KEY PROJECTS

Banking & Finance – Psychometric Analysis of Financial Inclusion (TISS)

• Analysed 950 survey responses (650 field + 300 synthetic) using EFA, logistic regression & correlation tests in Python (StatsModels).
• Found ≈40% gap in basic-interest literacy and ≈10% cited hidden-fee barrier; insights fed into policy brief on cooperative-bank inclusion

Agriculture Market & Opportunity-Cost Study (TISS)

• Field-surveyed 1,200 farmers, middle-men and end-sellers on post-harvest crop sales.
• Quantified ≈14–18% income loss due to delayed procurement & price-spread by intermediaries; proposed a community-storage + auction-timing model to increase productivity

ADDITIONAL INFORMATION

Kaggle Notebooks Expert – Top 3% globally:
• Predict Podcast Listening Time – Rank 100 / 3,310 teams (Top 3%) – regularised-regression & feature-engg
• Predict Calorie Expenditure – Top 30% (~1426 / 4,316 teams) – ensemble regressors
• Regression with Insurance Dataset – Top 27% | Rank 651 / 2,390 teams – EDA + ridge/lasso models