

Rahil Chheda

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EDUCATION

D. J. Sanghvi College of Engineering, University of Mumbai, India **Nov 2022 - May 2026**
Bachelor of Technology in Computer Science and Engineering **(GPA: 8.52/10)**
Relevant Courses: Database Management, Data Structures & Algorithms, Statistics, Artificial Intelligence, Data Mining, Machine Learning, Data Engineering, Big Data Analytics, Cloud Computing

SKILLS

Programming: SQL, Python, R
Databases: MySQL, BigQuery, MongoDB
Data Analysis & Visualization: Pandas, NumPy, Matplotlib, Seaborn, Tableau, Power BI, Excel, Google Analytics
Machine Learning & Statistics: Scikit-learn, Regression, Clustering, A/B Testing, Forecasting, NLP
Cloud & Platforms: AWS, Azure, Google Cloud Platform (GCP)
Tools & Collaboration: Microsoft PowerPoint, Jira, Git, Google Slides, Google Sheets, Canva

PROFESSIONAL EXPERIENCE

Indian Institute of Technology, Patna, India

Research Intern (Remote)

August 2024 – September 2024

- Conducted research on **hallucinations in Large Language Models (LLMs)** for NLP tasks, focusing on medical question-answering using **PubMedQA** and **MedQuAD** datasets.
- Developed a **comparative evaluation framework** to assess generated answers against ChatGPT's knowledge base, identifying factual inconsistencies and reducing hallucination rates.
- Built and fine-tuned NLP models using **transformer architectures (e.g., BERT, GPT)** to enhance answer reliability and contextual accuracy in the healthcare domain.
- Performed **quantitative analysis** using precision, recall, and F1 scores to evaluate model performance on medical QA tasks.

Evoastra Ventures, Mumbai, India

Data Analyst Intern (Remote)

June 2024 – September 2024

- Utilized **SQL** and **Python (Pandas, NumPy)** to extract, clean, and analyze large datasets, improving data quality and accessibility by 40%.
- Designed and maintained **interactive dashboards** in **Power BI** and **Tableau** to visualize sales, marketing, and customer metrics.
- Automated weekly and monthly **reporting processes**, reducing manual effort by 30% and enhancing data accuracy.
- Collaborated with cross-functional teams to support **A/B testing** and **performance tracking** using data-driven methodologies.

PROJECTS

CIRA: An AI-Driven Framework for Cultural Integration Risk Assessment in M&A [\[Link\]](#)

- Automated multi-source **data collection** pipeline integrating Twitter (X API), NewsAPI, and SEC filings to gather company-specific cultural signals for M&A assessment.
- Engineered robust data preprocessing workflows using **BERT** tokenizer and custom keyword-based feature extraction to vectorize unstructured text across cultural dimensions.
- Built fallback and retry mechanisms with exponential backoff to ensure seamless and reliable data ingestion, even during API rate limit violations or connection failures.
- Designed a weighted cultural compatibility formula incorporating six organizational dimensions (e.g., innovation, collaboration) to quantify integration risk in M&A scenarios.

NBA Player Statistics Analysis [\[Link\]](#)

- Built Python-based data analysis pipeline using **pandas, NumPy, matplotlib, seaborn** to analyze 500+ player stats for actionable sports analytics insights.
- Cleaned `nba_player_stats.csv` data by handling missing values, standardizing metrics like PTS, REB, AST for robust **data preprocessing**.
- Performed **EDA** to summarize points, rebounds, assists, calculated PPG, RPG, APG metrics for comprehensive performance trend analysis.
- Created **bar plots, scatter plots, correlation heatmaps** (e.g., `top_pts.png`) to visualize trends, enhancing data-driven decision-making processes.

POSITION OF RESPONSIBILITY

Information Systems Audit and Control Association (DJS ISACA)

President

August 2024 - Current

- Led the DJS ISACA chapter, overseeing strategic planning, event organization, and member engagement to enhance knowledge in cybersecurity and IT governance.
- Organised an industrial visit in the field of cybersecurity and digital forensics, encouraging hands on & practical experience.
- Organized a 24-hour Agentic AI Buildathon, encouraging teamwork and creativity in building smart AI systems.