

# CHINMAYI MANGESH RANE

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## EDUCATION

Oklahoma State University, Stillwater, OK

Expected Jun 2024

**Master of Science in Management Information Systems**

**GPA: 3.9 / 4.0**

*Courses:* Programming to Data Science, Data Warehousing, Data Visualization in Tableau, Statistics for Data Science, Predictive Analytics Technologies, Prescriptive Analytics, Scripting Essentials

Sardar Patel Institute of Technology, Mumbai, India

Jun 2022

**Bachelor of Technology in Electronics & Telecommunication Engineering**

**GPA: 3.7 / 4.0**

## TECHNICAL SKILLS

- **Languages:** SQL, Python, R, Bash, Java, XML, HTML
- **Tools:** SQL Server, Tableau, Jupyter Notebooks, GitHub, MongoDB, Microsoft Excel, Microsoft Office, Android Studio, Google Firebase
- **Certifications:** Tableau Desktop Specialist

## RELATED EXPERIENCE

**Business Analyst Intern** | OSU NSF I-Corps | *Oklahoma, USA*

Aug 2023 - Jan 2024

- Formulated a business model strategy for an elderly care robot project by conducting extensive requirement analyses, documenting findings, and performing over **30 interviews** with geriatric care facilities to assess needs.
- Demonstrated strong understanding of cross-functional relationships by effectively collaborating with diverse teams, fostering cohesive teamwork, and facilitating the development process.

**Application Development & Analytics Intern** | OSU App Center | *Oklahoma, USA*

Sept 2022 - Jan 2023

- Implemented quiz and save-for-later modules in an android application, leveraging JSON and SQLite for local database management, enhancing application **efficiency by 20%**.
- Demonstrated proficiency in android development and database management, acquiring skills independently and applying them effectively to project requirements.

**Product Analyst Intern** | SP-Tech Business Incubator | *Mumbai, India*

Sept 2019 - Aug 2021

- Collaborated with municipal governing bodies to address challenges associated with traditional vehicle towing mechanisms, utilizing Google Firebase Cloud Console to **automate towing processes by 25%**.
- Assisted in data collection and improved the user experience of the **android application by 30%**, enhancing stakeholder management and improving customer experience.

## ACADEMIC PROJECTS AND CASE STUDIES

**Churn Rate Analysis and Customer Retention Strategies for Decibel Telecom: Advanced Excel Case Study**

Mar 2023 - May 2023

- Employed data cleaning techniques and pivot tables in **Excel** to analyze Decibel Telecom's churn rate, unveiling customer attrition insights by exploring the demographic and age group impacts on churn rate variations.
- Conducted **hypothesis testing**, revealing a correlation between unlimited data plans and reduced churn, guiding retention strategies and created a dashboard in Excel to visualize customer churn patterns for Decibel Telecom.

**Data Cleansing & Analyzing Consumer Complaints: Python**

Jan 2023 - May 2023

- Developed **Python scripts** to automate data processing tasks for consumer complaints, ensuring increased consistency and improved efficiency in data handling processes.
- Created a console application to analyze data with respect to companies, complaint type and relevant customer specific data.

**Data Cleansing and ETL Analysis for Lettuce Feed U Restaurant Chain: Intermediate SQL Case Study**

Jan 2023 - May 2023

- Successfully cleaned and standardized data for Lettuce Feed U restaurant chain using **SSIS and Microsoft Visual Studio**, ensuring data integrity and accuracy.
- Conducted comprehensive data cleansing and **ETL analysis** to address key business challenges, including identifying top profit-generating locations, revenue trends and average order values per location.
- Developed fact and dimension tables, enabling the extraction of reliable insights for the executive team based on the ETL analysis.

**Stillwater City OK Real Estate Analysis (Python & R)**

Sept 2022 - Dec 2022

- Efficiently conducted data analysis by extracting real estate data from dynamic platforms such as Zillow and Realtor utilizing **Python's** requests module.
- Conducted comprehensive Price, Bedroom/Bathroom and House Area analyses utilizing **statistical concepts** such as mean, median, standard deviation and correlation, providing valuable insights for real estate developers to optimize property features and pricing strategies in Stillwater City.

## LEADERSHIPS AND HONOURS

- Spears School of Business 2024 Outstanding Graduate Student Award
- LeClaire Family Graduate Scholarship for Women in Technology, OSU
- Executive Committee Lead, International Student Organization (iSo), OSU
- GraceHopper Women in Technology Scholar, AnitaB.org

Aug 2023 - May 2024

Sept 2023 - May 2024

Sept 2022 - May 2024

Sept 2021 - Dec 2021