CHINMAYI RANE

Stillwater, OK | chinmayirane352@gmail.com | +1 (405) 894-8071 | LinkedIn | Portfolio

EDUCATION

Oklahoma State University, Stillwater, OK — Aug 2022 - May 2024
Master of Science in Management Science & Information Systems – Concentration in Big Data Analytics — GPA: 3.9 / 4.0
- Graduate Teaching Assistant for Python & SQL for Business Analysis
- Relevant Coursework: Data Warehousing, Scripting Essentials, Predictive Analytics

Sardar Patel Institute of Technology, Mumbai, India — Aug 2019 - May 2022
Bachelor of Technology in Electrical & Computer Engineering — GPA: 3.7 / 4.0
- Relevant Coursework: Database Management Systems, Cloud Computing, Statistics for Data Science

PROFESSIONAL EXPERIENCE

Oklahoma State University | Oklahoma, USA — **Sept 2022 - Jan 2024**
- *Product Management Assistant*
  - Conducted 30+ customer interviews, enhancing product quality by analyzing **user requirements** leading to pre-order sales of $2000.
  - Identified $30k annual cost savings through improved labor efficiencies and reduced healthcare expenses for older adults.
  - Developed a business model for an elderly care robot through extensive market research, projecting a market entry within 12 months.
- *Application Developer*
  - Improved android app performance by 20% integrating a local **NoSQL** database, employing the **SQLite API** within **Android Studio**.
  - Demonstrated critical thinking and problem solving by adapting to new technologies like **JSON, XML & Java** within a 45-day timeframe.
  - Documented project methodology, technological integration, and code repositories with attention to detail for future reference.

SP-Technical Business Incubator (SP-TBI) | Mumbai, India — **Sept 2019 - Mar 2022**
- *Technical Project Manager*
  - Collaborated with cross-functional teams (engineering and marketing) to secure $10,000 of seed funding within 8 months.
  - Actively engaged in stakeholder communication, including meetings, updates, and feedback sessions, dedicating approximately 5 hours per week over the course of a 6-month project, totaling approximately 120 hours.
  - Managed the product lifecycle for the software product, overseeing a team of 5 using scrum agile methodology in Asana.
- *Junior Software Developer*
  - Implemented image classification model using **Python** to predict abandoned vehicles, with a prediction accuracy range of 80% to 95%.
  - Proposed **Google Firebase Cloud's** Auto-ML feature to automate the process of towing vehicles, saving 15 hours of manual work.
  - Developed **android** application integrated with cloud for 30% faster real-time analysis and accurate abandoned vehicle tracking process.

RELATED ACADEMIC PROJECTS

Convenience Store Supply Chain Prescriptive Analysis: *SQL & Python* — **Jan 2024 - May 2024**
- Built SQL queries in **MySQL** for ad-hoc analysis of diesel additive for 124,000+ data entries across 100+ stores for Loves Company.
- Conducted collinearity tests in **Python**, revealing correlation between distribution center distance and stock arrival time.
- Saved monthly transportation time by 50 hours by identifying distribution centers serving distant stores; recommended alternate centers.
- Detected instances of stores receiving stocks beyond storage capacity, resulting in a 20% reduction in excess inventory management hours.

Credit Assessment Project: *Tableau & Excel* — **Jan 2024 - May 2024**
- Created dynamic dashboards to visualize 17.2K loan applications with funded amount of $219M at an average interest rate of 12%.
- Analyzed KPIs to discover that 13.8% of the total funded amount constituted bad loans, and recommended strategies to mitigate this risk.
- Leveraged advanced **Tableau** features such as calculated fields and parameters to design interactive filters, improving user engagement.

Stillwater City OK Real Estate Analysis: *Python* — **Jan 2024 - May 2024**
- Developed a **Python script** for dynamic web scraping to extract house details from the Zillow website using Zillow API and Realtor website.
- Utilized pandas for comprehensive data cleaning, matplotlib and seaborn for implementing scatter plots and line graphs.

TECHNICAL SKILLS

- **Programming Languages:** Python, SQL, R-Studio, NoSQL, Bash, Power Shell
- **Visualization Tools:** Tableau, KNIME, SAS Viya
- **Agile Project Management:** Scrum, Kanban, Trello, Asana
- **Cloud Services:** Google Cloud Platform (Google Firebase)
- **Certifications**: Tableau Desktop Specialist
- **Other Tools**: GitHub, Microsoft Office Suite (Excel, Power Point), Android Studio, Visual Studio Code

LEADERSHIP AND HONORS

Recipient of President's Recognition for Leadership & Impact | OSU	**Aug 2023 - May 2024**
Executive Committee Lead | International Student Organization **|** OSU	**Aug 2022 - May 2024**
GraceHopper Women in Technology Scholar | AnitaB.org	**Aug 2021 - May 2022**