Saumya Chandrakant Prasad

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EDUCATION

California State University Long Beach, CA   **May 2025**
Master of Science in Information Systems | **GPA: 3.6**
Courses: Business Data Analysis (Statistics), Database Management Systems, System Design, Machine Learning

University of Mumbai, India   **May 2023**
Bachelor of Engineering in Information Technology | **GPA: 3.4**
Courses: Data Mining & Business Intelligence, Cloud Computing, Operating Systems, Computer Networks, Data Science

EXPERIENCE

College of Professional and Continuing Education – CSU, Long Beach   **Mar 2024 - May 2024**
Student Assistant   *Long Beach, CA*
- Managed and optimized the CPACE intranet website using SharePoint, including content updates, user access control, site enhancements, and regular audits to improve internal communication and site functionality
- Conducted market research on CSU PACE programs, analyzing 25k+ data rows using Excel and Power Query for data-driven decisions, and identifying stakeholder needs and performing requirements gathering
- Developed interactive Excel and Looker dashboards with custom slicers and key performance indicators, visualizing enrollment trends and program performance to enable informed strategic decisions
- Collaborated with cross-functional teams (marketing, admissions, analytics) to streamline workflows, enhance reporting efficiency for internal customer service, and support business initiatives through detailed analysis

PROJECTS

Yelp Business Sentiment Analysis | *Python, SQL, Snowflake, AWS S3*   **Jun 2025**
- Processed 5GB Yelp JSON by chunking and uploading to AWS S3 and Snowflake for scalable ingestion
- Built Snowflake tables and used Python UDF for sentiment tagging across millions of reviews
- Executed 10+ complex SQL queries to analyze reviewers, categories, ratings, and sentiment patterns

Gender based Wage Gap Analysis, LMU Datathon | *Power BI, Python, Pandas*   **Apr 2025**
- Analyzed 25K+ ACS Census data using Power Query to explore gender wage disparities during a 4-hour Datathon
- Built a dynamic Power BI dashboard with EDA and feature engineering using Pandas and Scikit-learn
- Implemented root cause analysis and measured 26.4% wage gap, delivered actionable insights to stakeholders
- Leveraged Slack for team communication, collaboration, and real-time project coordination

Netflix Recommendation System | *Python, Pandas, Streamlit, Agile Methodology*   **Dec 2024**
- Built a Streamlit dashboard with Python, gathering data from 100+ survey responses to analyze user engagement
- Developed content and context-based user recommendation ML models, achieving an accuracy rate of 85%
- Facilitated Agile sprint planning in Azure Boards, managing 15+ user stories across the project lifecycle

Database Management System for UPS | *Business Analysis, MySQL, RDBMS, Process Modelling*   **May 2024**
- Designed and implemented a MySQL database for UPS logistics using EERD principles and data modeling
- Optimized SQL queries with CTEs, JOINS, window functions, indexing, and caching for improving performance
- Gathered project requirements through stakeholder analysis to define system functionality and user needs
- Authored BRD, TRD, and project charter to support a retail portal enhancement aligned with business objectives

SKILLS (*Professional Certifications*)

Programming: Python (Pandas, NumPy, Matplotlib, SciPy), SQL
Databases: MySQL, PostgreSQL, SQL Server, Oracle
Cloud & Tools: Microsoft Azure, AWS, Google Cloud platform, Snowflake, GitHub, Jupyterlab
BI Tools: Tableau, Power BI, Google Analytics, Looker Studio, Microsoft Excel (Pivot Tables, Power Query, Macros)
Operating Systems: UNIX, Linux, Windows **Web Technologies:** HTML, CSS, TCP/IP
Project Management tools: Jira, Azure Boards, Confluence, Slack, Microsoft Teams, Agile/Scrum, MS SharePoint
Certifications: Google Advanced Data Analytics, Google Business Intelligence, Tableau Fundamentals, AWS Academy Cloud Foundations, HackerRank SQL Intermediate, Amazon Redshift Essentials, Salesforce CRM (In-progress)