JENIL KATHROTIA

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EDUCATION

San Jose State University   **August 2024 - May 2027**
Bachelor's, Data Science   *Anticipated GPA: 4.0*

RMG Maheshwari English School   **July 2020 - July 2022**
High School Graduate   *GPA: 3.7*

PROFESSIONAL EXPERIENCE

University of Arizona   **Tucson, AZ, USA**
Design-Lab Intern   *January 2024 - May 2024*
• Collaborated for a tech business as a Design Lab Intern and obtained useful expertise in the design sector.
• Developed problem-solving skills by using techniques like Empathize, Define, Ideate, and Prototype to Leverage concepts into products.
• Developed an online toolkit providing technical assistance and training for socially conscious organizations and nonprofits.

• **Transferable skills**: Investigate Research Presentation, Data interpretation and root cause analysis.

RMG Maheshwari English School   **Surat, GJ, India**
Lab Assistant   *July 2020 - May 2022*
• Assisted with laboratory experiments, set up all instruments, documented data, and results
• Assisted with measurements tests going on and documented it
• Collaborated and shared the data with other students, and presented their results.

Rotary Club Surat   **Surat, GJ, India**
Volunteer Coordinator   *July 2020 - July 2022*
• Managed volunteer database of 200+ individuals
• Tracking attendance and contribution hours with Excel automation.
• Collaborated with cross-functional teams to ensure smooth event logistics and data collection.

PROJECTS

Customer Churn Prediction API - *GitHub*
- Built and deployed a machine learning model to predict customer churn using Python.
- Developed and deployed a machine learning model (scikit-learn) as a FastAPI REST API to predict customer churn in real time.
- Implemented CI/CD pipeline with GitHub Actions and pytest unit tests to ensure code quality and reliability.
- Dockerized the application for portability and cloud-ready deployment (Docker Hub, Render).

HouseTS Housing Data Pipeline | Python, PySpark, GCP - *GitHub*
- Built an end-to-end data pipeline to clean and process 890K+ U.S. housing records
- Standardized malformed CSV data (ZIP codes, dates, prices, NA values)
- Scaled processing using PySpark and Google Cloud Storage
- Analyzed long-term housing price trends across 6,000+ ZIP codes

SKILLS

Programming Languages: Python, Java, C, SQL, MySQL, MATLAB, HTML/CSS
Web Technologies: Flask, Node.Js, Express.JS, Spring-Boot, Fast-API
Databases / Cloud Technologies: MySQL, SQL, Microsoft 365 Suite, MS Office, Google Sheets/Excel/Numbers, Google Cloud, Microsoft Azure
Data Science & Analytics: Statistics, Data Interpretation, Root Cause Analysis, Market and Business Analytics, Operations Research, Quality Control
Tools, IDEs & Platforms: Git, GitHub, Adobe After Effects, Adobe Suite, Slack, Zendesk, Presentation Tools, Project Management Tools
Soft Skills: Problem-Solving, Effective Communication & Writing, Detail-Oriented, Leadership, Critical Thinking, Customer Service.