Khushi Raghuvanshi

858-333-0679 | khraghuvanshi13@gmail.com | [Portfolio ↗](#) | [LinkedIn ↗](#) | [GitHub ↗](#) | [Tableau ↗](#)

UC San Diego graduate in Cognitive Science and Data Science, with a proven ability to quickly learn new tools and frameworks, work across cross-functional teams, and communicate technical insights clearly. Passionate about making data accessible and actionable, and eager to contribute to fast-paced teams solving real-world problems with data-driven solutions.

Education

University of California San Diego — Graduated: June 2025
Bachelor of Science in Cognitive Science with a Specialization in Machine Learning and Neural Computation
Minor: Data Science

Work Experience

Research Data Analyst, *UC San Diego Health CHEAR* — Apr 2024 – June 2025
- Collaborated with the Data Manager and Analyst to execute study protocols, ensuring timely and accurate data collection across all phases of the project.
- Cleaned and analyzed sensitive health datasets (eye-tracking, surveys, medical vitals) using pandas and NumPy, enabling reliable insights across longitudinal eating disorder research.
- Contributed to study interpretation by shadowing patient visits and analyzing data from 100+ patients, generating detailed cohort reports revealing behavioral and physiological trends, synthesizing qualitative insights and quantitative metrics.

Data Analyst Intern, *Infosys* — Aug 2024 – Sept 2024
- Examined 100K+ customer reviews obtained via web scraping using requests and BeautifulSoup to evaluate new service performance, identifying behavioral trends that informed product and data strategy across AI & Automation initiatives.
- Conducted A/B testing and hypothesis-driven analysis to assess service impact and adoption, generating actionable insights that enhanced operational effectiveness.
- Built Tableau dashboards and conducted EDA on user behavior and adoption data, enabling stakeholders across product and marketing to identify underperforming features and prioritize automation efforts based on usage trends.

Instructional Apprenticeship (Python Course), *UC San Diego* — Sept 2023 – Jan 2024
- Worked with a UCSD professor as an IA for an "Introduction to Python" course in which 300+ students were enrolled.
- Increased student comprehension by 25% based on end-of-quarter course evaluation surveys by leading discussion sessions every week and providing 3+ office hours of support weekly.
- Graded 100+ coding assignments and projects, ensuring fairness and consistency in evaluation by following a detailed rubric and providing constructive feedback.

Projects

Formula 1 Circuit Analysis Dashboard ↗
- Built an interactive Tableau dashboard that maps Formula 1 race tracks using custom GeoJSON data, enabling users to compare circuit layouts side-by-side. Selecting a track navigates to a detailed view showcasing key statistics for that circuit, including most wins, podiums, and fastest laps.

Metabolic Mystery ↗
- Developed an interactive storytelling website using JavaScript and D3.js to visualize glucose responses based on macronutrient intake, applying PCA and machine learning to classify users as Healthy, Pre-diabetic, or Diabetic based on CGM data.

Power Outage Duration Prediction ↗
- Analyzed major U.S. power outage data and built a Random Forest classifier using scikit-learn to predict outage durations using climate-based features, improving accuracy from 49% to 67% through feature engineering and hyperparameter tuning.

Core Competencies

Programming Languages: Python, JavaScript, HTML, CSS, SQL

Frameworks and Tools: Jupyter, VSCode, Streamlit, Scikit-learn, NumPy, Pandas, Tableau, D3.js, REST APIs, Git, Google Suite, Excel, PowerPoint

Technical Skills: Data Wrangling and Cleaning, Data Visualization & Storytelling, Machine Learning (Supervised/Unsupervised), Predictive Modeling, Web Scraping

Soft Skills: Analytical, Collaborative, Flexible, Good Communication, Team-oriented, Problem Solving

Certifications

Google Analytics Certification, Google ↗ — 2025
Complete Guide to Tableau for Data Scientists, LinkedIn Learning ↗ — 2025
Data Analytics Job Simulation, Deloitte Australia ↗ — 2025
Advisors & Consulting Services, Mastercard ↗ — 2025

Leadership

Orientation Leader, *Sixth College, UC San Diego* — Apr 2022 – Sept 2023
- Guided over 600 students during orientation week, coordinating with 13+ departments to ensure seamless logistics and earning a 98% satisfaction rating in post-program surveys.

Cultural Director, *Sixth College Student Council, UC San Diego* — Sept 2022 – May 2023
- Organized large-scale events such as Lunar New Year, Holi, and Mental Health Awareness Week for over 1,000 students, while managing a $26,000 budget using Excel to ensure cost-efficient logistics.