

NIKITA CHAUHAN

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Education

University of California, Berkeley

Master of Information and Data Science, 3.67 GPA

Bachelors in Cognitive Science, 3.53 GPA

Berkeley, CA

Expected Dec 2024

May 2023

Relevant Coursework

- Data Structures
- Computational Modeling
- Data Engineering
- Research Design
- Artificial Intelligence
- Machine Learning
- Data Programming
- Data Visualizations

Experience

UC Berkeley Student Technology Services

Jun 2022 – Jul 2023

Project Manager

Berkeley, CA

- Reorganized post-COVID operational activities and streamlined team dynamics as a Project Manager, leading product design sprints, creative ideation sessions, and extensive market research boosting interactions by 80%.
- Developed a strategy to make technology equitable for the entire student body, increasing engagement by 200% through leveraging digital marketing, community outreach, and collaborative initiatives.
- Launched a campus-wide tech survey and led team in strategic marketing and data analysis, and harnessed feedback to optimize technology solutions, resulting in 150% surge in student platform utilization.

Fidelity Investments

Jun 2022 - Aug 2022

Product Management Intern

Boston, MA

- Spearheaded user research by combining user interviews, focus groups, and market analysis tools, yielding deep insights into market dynamics, competition, pain points, and the role of DAOs in the web3 landscape.
- Utilized data visualizations to transform preliminary qualitative feedback into actionable, quantifiable insights, enhancing key decision-making process and pin-pointing areas of opportunity and growth.
- Guided the product lifecycle from ideation to launch, presented data-driven roadmaps to stakeholders, ensuring competitiveness and market relevance, leading to more informed product development strategies.

Projects

Decoding the Lyrics: A Sentiment Analysis of Billboard Hits | *Python, VS Code*

Sep 2023

- Spearheaded a novel investigation into lyrical trends over five decades using Pandas and NLTK libraries, uncovering a statistically significant correlation between the sentiment of lyrics and historical event timelines.
- Directed a comprehensive sentiment analysis correlating economic conditions and public mood with lyrical content from the top Billboard hits, revealing how music reflects and responds to generational shifts and technological advances.
- Devised a linguistic trend model using NLP to chart the evolution of lyrical complexity, successfully communicating the pattern shifts through innovative visual storytelling with Matplotlib and Seaborn.

Evaluating Academic Performance: The Well-Being Index Study | *R, Statistical Modeling*

Dec 2023

- Analyzed survey data from 1000+ students across two Portuguese high schools and led a key study on the psycho social determinants of academic success, formulating a unique "well-being score" and operationalizing this score to quantify its effect on math grades among students.
- Synthesized a composite index from psychosocial and socioeconomic data using ggplot2 and stargazer, providing actionable insights for educational policy and targeted support strategies, enhancing the academic journey of students.

Technical Skills

Languages/Tools: Python, R, LaTeX, JavaScript, SQL, Tableau

Developer Tools: VS Code, AWS, Google Colab, Jupyter Notebook, Github

Libraries/Frameworks: Pandas, NumPy, SciPy, Matplotlib, Seaborn, SciKit Learn, TensorFlow, D3, Highcharts, ggplot2, Keras, NLTK, PyTorch, dplyr, tidyr

Machine Learning: Regression, Gradient Descent, Natural Language Processing, Feature Engineering, Clustering, Neural Networks, Recurrent Neural Networks, Convolutional Neural Networks, Decision Trees, Predictive Modeling, Generative AI

Leadership / Extracurricular

Sigma Eta Pi - Professional Entrepreneurship Fraternity

Sep 2020 – Aug 2022

Vice President

Berkeley, CA

USA Junior National Racquetball Team

Nov 2019 - Nov 2020

Captain

USA