Rohan Chhaya

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EDUCATION

University of California, Berkeley   **May 2026**
Bachelor of Science in Data Science   GPA: 4.0

Relevant Coursework: CS 61A: Structure & Interpretation of Computer Programs (**Python, SQL**), CS 210: Data Structures and Algorithms (**C++**), Data 8: Foundations of Data Science (**Python**), MATH 194: Linear Algebra, BUS 240**:** Statistics, MATH 292**:** Analytical Geometry & Calculus lll

SKILLS

Programming Languages: Python, C/C++, JavaScript, R, SQL, HTML, CSS, Go
Libraries/Tools: Node.js, React.js, PyTorch, TensorFlow, NumPy, Matplotlib, SciPy, Pandas, Scikit-learn, Bootstrap

HIGHLIGHTED PROJECTS & EXPERIENCE

DxD Pathways in Health Tech   **January 2024 - April 2024**
Medical Technologies Intern - Intuitive Surgical Team   Mountain View, CA

- Employed market and data analysis tools to locate health disparities of degenerative disease states.
- Identified, researched, and developed potential solutions to increase treatment efficiency of endometriosis using robotic minimally invasive surgery among women of all demographics.

Lumira Solutions   **September 2023 - January 2024**
Quality Assurance Engineer Intern   Sunnyvale, CA

- Actively tested and enhanced AI chatbot functionality, resulting in a 35% reduction in bugs.
- Designed and implemented efficient chatbot workflows using Zapier which integrates data tables, user interfaces, and logic with various applications enabling the automation of difficult tasks and processes.
- Collaborated with both client-side and production teams, ensuring project requirements were met.

City Danger Measure   **November 2023**
Cal Hacks 10.0

- Developed a classification model to predict crime rates and severity using a local crime data API and news articles.
- Demonstrated strong data analysis skills through exploration of crime data, including visualizing city distributions from 210 U.S. cities using Python libraries Pandas, NumPy, and Matplotlib.
- Applied statistical techniques - bootstrapping and A/B testing methodologies - to evaluate claims regarding crime rates and severity.

Movie Genre Classifier   **October 2023**
Project

- Developed a movie genre classification model using the k-Nearest Neighbors (KNN) algorithm, resulting in 87% accuracy.
- Implemented Euclidean distance to measure movie genre similarity.
- Cleaned, visualized, and analyzed movie data to identify relevant features for genre prediction.

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

Math Student Club   **Aug 2023 - May 2024**
President

- Directed a training team of four officers during weekly sessions preparing 40+ students to take the national AMATYC Math Competition Exam, resulting in Diablo Valley College placing 1st nationally.
- Initiated the success of a struggling club by attracting students from a diverse range of backgrounds by hosting weekly meetings data science, artificial intelligence, engineering, economics, and career development, resulting in a 500% increase in membership, ensured retention by incentivizing members with prizes, food, etc.
- Arranged Ph.D. guest speakers from the Massachusetts Institute of Technology to present applications of mathematics in technology, various research pathways, and navigating career transitions.