

# Preetika Kaur

pkaur1@berkeley.edu LinkedIn (209) 598-2195 Portfolio

## Education

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**University of California, Berkeley** — Bachelor's degree in Cognitive Science Class of 2025  
*Relevant Coursework:* Computational Methods of Cognition, AI & Business, Blockchain, Data Structures, Statistics

**Technical Skills:** C++, Python, SQL, CSS, Java, HTML, Golang, Pandas, Git, Excel, GTM Operations: Clay (data enrichment, waterfall workflows, GTM automation, no-code automation tools)

**Certifications:** Salesforce Administrator (In progress), CCNA (In progress)

## Relevant Experience

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**AI Model Trainer** — Mercor AI August 2025 - December 2025

- Trained multimodal AI models on visual-auditory perception by generating 100+ labeled audio-visual pairs, enabling models to learn cross-modal representations between vision and language.
- Worked closely with teams to improve data quality protocols, developing keen understanding of how AI systems learn and interpret human communication.

**Program Manager & Instructor** — Magikid Robotics Lab January 2025 - May 2025

- Managed robotics program for 200+ students across 4 locations while instructing 3 courses weekly; established operating rhythm and communications that improved completion rates from 78% to 94%.
- Led cross-functional launch of Arduino course with custom curriculum and lesson plans, exceeding enrollment targets by 120%. Developed standardized templates that reduced instructor prep time by 3 hours/week

**Research Assistant** — Computational Cognitive Science Laboratory, UC Berkeley August 2022 – January 2024

- Developed Python scripts to implement modifications to ChatGPT API, enhancing functionality within open-source.
- Conducted data analysis to identify interface issues and ensure application met industry quality benchmarks.
- Contributed to cognitive science research exploring human-AI interaction patterns and decision-making processes.

**Accounting Assistant** — Payless Accounting, Fremont, CA March 2020 – June 2022

- Automated financial reports using macros and PivotTables, improving reporting efficiency by 30%.
- Ensured compliance in reconciliations and produced analytical dashboards for management decision-making.

## Projects

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**Maps Multi-Tab Navigator** — Chrome Extension — GitHub November 2025  
*JavaScript, Chrome Extensions API, CSS3*

- Built Chrome extension adding tab-based navigation to Google Maps, enabling simultaneous management of multiple routes without losing active navigation state.
- Implemented Chrome Storage API for persistent route saving across browser sessions with automatic state synchronization.
- Developed custom DOM manipulation system to inject tab interface seamlessly into Google Maps UI without breaking existing functionality.
- Designed features including route pinning, tab switching, and URL-based state management for improved user workflow.

**API Data Automation Pipeline** September 2024  
*Python, Alpha Vantage API, Pandas, Matplotlib*

- Developed automated Python pipeline to retrieve, clean, and analyze IBM stock OHLC data via Alpha Vantage API.
- Calculated key financial metrics including moving averages (SMA/EMA), daily returns, and volatility indicators.
- Automated data visualization and report generation in Word documents, reducing manual reporting time by 70%.
- Structured financial data workflow with error handling and data validation for reliable daily analytics.

**Optimization for Stable Diffusion Project** December 2023  
*Python, Stable Diffusion API, TogetherAI — Cal Hacks 10.0 (72-hour hackathon)*

- Built AI-powered prompt engineering tool in 72 hours to help non-technical users generate effective text-to-image prompts.
- Integrated Stable Diffusion API with custom prompt templates and modifiers to improve image generation quality.
- Competed among 2,000+ participants at world's largest collegiate hackathon, demonstrating rapid prototyping skills.

**Independent Trader** — Polymarket (Remote) 2023 – Present

- Analyzed prediction markets using probabilistic modeling and expected-value calculations to identify trading opportunities.
- Developed forecasting heuristics for market sentiment and volatility across political and technology events.

**Industry Engagement:** OpenAI DevDay 2023 Attendee