SIYA PATEL

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EDUCATION

University of California, Berkeley – *Bachelor of Arts in Data Science & Cognitive Science*   *May 2028*

Relevant Coursework: Data Structures and Algorithms, Foundations of Data Science, Object-Oriented Programming, Structure and Interpretation of Computer Programs, Introduction to Cognitive Science

SKILLS

Languages	Python, Java, JavaScript, SQL, R, HTML, CSS
Frameworks/Libraries	React, React Native, Node.js, NumPy, Pandas, P5.js
Tools & Platforms	Firebase, Docker, Git, GitHub, Neo4J, MongoDB, Excel

EXPERIENCE

Mindly – Berkeley, CA   *June 2025 – Present*
Software Engineering Intern
- Developed role-based user flows using React, React Native, JavaScript, and CSS, using dynamic UI components and conditional logic to support AI-powered neurological care for providers, educators, and families
- Collaborated with engineers on Firebase-backed features for real-time syncing and backend support for patient workflows

Cisco Externship – Remote   *June 2024 – July 2024*
Project Manager
- Led a team to create and pitch innovative banking projects supporting green investments, emphasizing sustainability and financial responsibility to drive impact; developed a business model canvas outlining viability, market potential, and execution
- Earned multiple recognitions, including Intro to Data Science credentials, Daily Top Extern certificate, and Overall Top Extern certificate, reflecting exceptional performance and dedication throughout the externship

Amgen Externship – Remote   *June 2023 – July 2023*
Lead Engineer
- Led a team in developing a disease detection program using R to assess the severity of Hutchinson's disease by analyzing genetic code and calculating CAG repeat sequences in patient's DNA, enhancing early detection and treatment planning
- Utilized R functions like grepl to identify and quantify CAG repeats, enhancing the reliability of severity assessments

PROJECTS

Grounded – Remote   *June 2025 – Present*
Founder & Developer
- Developed a web-based mental wellness app using React, Tailwind CSS, Firebase, and OpenAI API to help users track emotions, identify thought patterns, and set personal growth goals through AI-powered journaling
- Built an early-stage responsive UI with a productivity timer that grows a blooming tree to encourage focus and mindful work

Reproductive Health Chatbot – Berkeley, CA   *October 2024 – December 2024*
AI Software Developer
- Developed a chatbot using a knowledge graphs and retrieval-augmented generation (RAG) to provide accurate, reliable responses; filtered and supplemented datasets with expert sources to enhance relevance
- Implemented Neo4J as a vector database to organize unstructured text data, leveraging OpenAI's embedding model for vector generation and similarity search; earned 2nd place at a Hackathon for innovation, impact, and complexity

AI Fairness Analysis – Remote   *July 2024 – August 2024*
Software Developer
- Built Python-based models to analyze bias in AI predictions using COMPAS dataset; implemented logistic regression and random forest classifiers, using confusion matrices to evaluate fairness.

Girls Who Code – Remote   *May 2023 – June 2023*
Software Developer
- Developed three interactive web games using p5.js and JavaScript, iterating on gameplay and UX through playtesting; earned certifications in p5.js game design.

ACTIVITIES & INTERESTS

Activities: External Director and Dancer for UCB Raas Ramzat, Data Science Society, Scouting of America

Interests: Journaling, Teaching, Personal Finance, Backpacking, Dance, AI, Music, Skiing, Fitness, Culinary Arts