

# Rena Shrestha

El Cerrito, California

(415) 504-5925 | [renashrestha@berkeley.edu](mailto:renashrestha@berkeley.edu) | [LinkedIn](#) | [Website](#) | [Github](#)

## EDUCATION

---

### University of California, Berkeley

Berkeley, CA

B.A. in Data Science, Domain Emphasis in Economics, Rising Junior

Expected May 2028

- **Relevant Coursework:** Principles and Techniques of Data Science, Data Structures, Linear Algebra, Computational Structures in Data Science, Machine Learning Principles, Intro to Data Science, Real-World Data Science with pandas, Intro to Economics

## TECHNICAL SKILLS

---

**Languages:** Python, SQL, Java, R

**Systems & Data Engineering:** Data Pipelines, Log Processing, API Integration

**Data Science & ML:** Pandas, Numpy, Seaborn, Matplotlib, Plotly, SciPy, Scikit-learn, NLP, Model Evaluation, A/B Testing

**AI / LLMs:** OpenAI API, RAG, LangChain, LLM Evaluation

**Tools:** Jupyter Notebook, VS Code, GitHub, Streamlit, Excel, Kaggle, Google Colab

## EXPERIENCE

---

### Lextrack AI — Data & Machine Learning Intern

May 2025 – Aug 2025

- Enhanced Metrics Dashboard to monitor AI app performance, increasing reporting accuracy and enabling engineers to resolve performance issues 20% faster.
- Developed a Python-based CLI tool to parse logs for error types and inference latency, streamlining debugging and reducing troubleshooting time for developers.
- **AI Tools Built:** LLM App Performance Analyzer, AI Resume Analyzer, Customer Segmentation Engine.

### Athena Notes — Data Analytics Intern

May 2025 – Aug 2025

- Designed and deployed a User KPI Dashboard using SQL, Python, and JavaScript, building data pipelines to track engagement and retention metrics.
- Researched and proposed AI chatbot solutions (Tutor Chatbot, Evaluator Performance Chatbot) by analyzing EdTech leaders (Duolingo, Khan Academy), resulting in adoption of GPT-4 tutoring features.
- Generative AI, Prompt Engineering, Gemini, OpenAI API, RAG, LangChain, LLM Evaluation, AI Product Evaluation.
- **AI Tools Built:** Tutor Chatbot, Evaluator Performance Chatbot, KPI Dashboard.

## PROJECTS

---

### Sentiment Analysis of Online Reviews | Machine Learning, NLP, Python, Google Colab

[Project Link](#)

- Analyzed 388 customer reviews to identify sentiment trends tied to product perception and churn risk.
- Built an end-to-end NLP classification pipeline using Python (Pandas, NLTK, Scikit-learn) in Google Colab, achieving **82% accuracy**.

### CourseWise Education Meta-Analytics II – Internal Metrics & Impact Dashboard | SQL

[Project Link](#)

- Transformed time-series usage logs into metric-ready tables using Python (Pandas), enabling tracking of engagement trends across institutional segments.
- Defined and implemented core product metrics and visualizations to support development of an internal analytics dashboard for executive and analyst decision-making.

## LEADERSHIP & ACTIVITIES

---

### UC Berkeley CSM — Senior Data Science Mentor / Student Support

Sep 2025 – Present

- Led Content Mentor meetings and collaborated with coordinators to shape curriculum strategy and improve content delivery
- Developed worksheets and teaching materials for 80+ students while teaching weekly discussion sections for Data C88C and supporting students through office hours

### UC Berkeley CS Kickstart — Director of Industry

Dec 2024 – Present

- Lead industry outreach and campus partnerships to organize professional development, networking, and tech career events for 80+ female-identifying freshmen at UC Berkeley.