# Shri Charan Sriram

925-860-3781 | shricharansriram@berkeley.edu | linkedin.com/in/shricharansriram | github.com/Shri2007

## Education

**University of California, Berkeley** — Berkeley, California
*B.A. Computer Science | B.A. Statistics | GPA: 4.0* — *Graduating 2029*
**Relevant Coursework:** Structure & Interpretation of Computer Programs, Foundations of Data Science, Linear Algebra & Differential Equations, Discrete Math, Data Structures

## Experience

**Independent Admissions Consulting** — June 2026 – Present
*Founder & Lead Consultant* — *San Ramon, CA*
- Founded an admissions consulting practice advising 5+ students on UC PIQ and Common App essays
- Engineered a Google Forms client intake pipeline and workflow, managing 3 concurrent clients end-to-end
- Standardized an editorial framework across 25+ essays, replacing generic language with scene-driven detail

**Alameda County Government** — June 2024 – August 2024
*Development Intern* — *Oakland, CA*
- Optimized slow backend queries in the property tax department's API, cutting response times by 40%
- Implemented WCAG accessibility standards across 12 public-facing county web pages, overhauling the UI
- Resolved UX issues in the property tax portal, streamlining lookup flows for county taxpayers

**UCI × GATI Research Fellowship** — June 2025 – August 2025
*Research Fellow* — *Irvine, CA*
- Built a gesture-based computer controller using an LIS3MDL magnetometer at 90% accuracy on 6 gestures
- Prototyped a posture-correction wearable with real-time slouch detection and haptic feedback for everyday use
- Pitched the wearable to 5 venture capital firms, iterating on product positioning and go-to-market strategy

**University of Illinois Urbana-Champaign** — April 2024 – May 2025
*Independent Researcher* — *Remote*
- Classified 10,500 dermatoscopic images for skin cancer detection at 90% accuracy under 70% compression
- Designed a compression-robust image classification pipeline in Python and TensorFlow for diagnostics
- Authored and published findings in the *Journal of Student Research*, bridging applied ML and dermatology

**ByteFix Solutions** — January 2024 – June 2024
*Full-Stack Developer* — *San Ramon, CA*
- Architected a MongoDB database from scratch with the CTO, powering the platform's support chatbot
- Developed chatbot routing logic that guided users to 10+ platform sections, reducing support requests

## Projects

**NBA Shot-Make Model** | *Python, pandas, scikit-learn* — September 2026
- Engineered a shot-make probability model for the OKC Thunder analyst project on 426K+ labeled NBA shots
- Parsed defender-distance and approach time series into features, benchmarked on log-loss vs. OKC's model

**IndexCheck** | *React.js, Monte Carlo Simulation, LLM API* — Summer 2026
- Developed a React.js portfolio stress-tester with historical crash simulations and a 10,000-path Monte Carlo engine
- Integrated an LLM narration layer translating simulated drawdowns into plain-English risk explanations
- Pitched to YC-adjacent audiences as a retail alternative to gated B2B risk tools, securing advisory feedback

**Specter** | *AI Agents, Learning from Demonstration* — 2026
- Built an agent trainable by demonstration that records and replays user workflows to automate repetitive tasks
- Placed 2nd in Technical Achievement out of 60+ teams at the Ara × Stanford Hackathon

## Technical Skills

**Languages**: Python, Java, C++, SQL, HTML/CSS, MATLAB
**Frameworks/Libraries**: React.js, Node.js, Flask, NumPy, pandas, scikit-learn, TensorFlow
**Developer Tools**: Git, VS Code, Jupyter, MongoDB, Docker, Vercel, Postman, Claude Code
**Extracurriculars/Awards**: USACO Gold Division
**Interests**: Maps, Colognes, Bootcut Jeans, Mechanical Watches, DJing, Chess