

# HARI PARTHASARATHY

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Dual-degree senior in UC Berkeley's M.E.T. program (sub-1% acceptance). Innovating at the intersection of AI/ML, biotech, and business strategy. Proven success in developing ML-driven bioinformatics pipelines, shaping product/go-to-market strategy, and sourcing investments, with diverse work experience spanning NASA, Draper Venture Network, and multiple biotherapeutics startups.

## EDUCATION & SKILLS

### University of California, Berkeley | Management, Entrepreneurship, and Technology (M.E.T.) Program | Expected Spring 2026

B.S. Bioengineering (College of Engineering) + B.S. Business Administration (Haas School of Business)

**ML/AI Skills:** Python, Java, R, SQL, JavaScript, Bash, HTML/CSS; Deep Learning, Machine Learning (CNNs, Classifiers, NLP, Decision Trees); Data Visualization, Management, Automation, Analytics, and Engineering; AWS/Google Cloud/Azure Infrastructure; Rapid Prototyping (Lovable, Figma)

**Biotech Skills:** Comp. Bio, Multi-Omics, Coursera AI-for-Medicine certification, Molecular Virology, Gene Therapy, Synthetic Biology, Next-Gen Sequencing (PacBio, Oxford Nanopore, Illumina Hi/Nano), RNA-Sequencing Mini-/Mega-/Giga- preps, Plasmid Purification, PCR, Tissue/Cell Culture

**Business Skills:** Product Strategy & Roadmapping, Systems Thinking, Market Analysis, Stakeholder Engagement, Financial Modeling, Project Management, Business Operations, Go-To-Market, Due Diligence, Investor Relations, Agile/Kanban Frameworks

## WORK EXPERIENCE

### Renasant Biology, Berkeley, CA | *Computational Bioinformatics Intern, July 2025 - Jan 2026*

- Designing ML-driven image analysis pipelines (dimensionality reduction, edge detection), improving drug efficacy screening by 50% and data-driven product decisions; worked with the wet lab team in developing new drug-screening assays for therapeutic product development
- Built scalable AWS + Python workflows to accelerate Renasant's end-to-end operations: Kanban and Agile frameworks to refactor codebase & streamline data generation/visualization; backend script automation to improve chemical compound storage platforms (CDDVault, SharePoint)

### Regel Biotherapeutics, Berkeley, CA | *Bioinformatics Intern (Vector Production Team), May 2025 - July 2025*

- Developed ML RNA-fold models on ONT/PacBio data; reduced viral impurity hotspots on adeno-associated viral (AAV) therapies by 90%
- Partnered with cross-functional collaborators (CRO/CDMO) on cGMP manufacturing and LLM-driven DNA design constructs for clinical trials
- Contributed to Regel's wet bench work: performed mini-, mega-, and giga-preps for plasmid purification and HEK293T triple transfections

### NASA Ames Research Center, Mountain View, CA | *Research Intern (NBISC), June 2024 - May 2025*

- Automated data pipelines to accelerate metadata processing by 4x, catalogued 3000+ space radiation samples for open-access research
- Designed and built interactive visualization tools and web-apps (e.g., Gantt-style graphical abstracts to improve usability of complex multi-factor multi-experiment radiation datasets); used rapid prototyping/iteration + end-user validation for faster adoption/usability

### Synkrino Biotherapeutics, Oakland, CA | *Data Engineering Intern, May 2023 - September 2023*

- Deployed cloud-based high-throughput querying for Synkrino's specialized AI pipeline, identifying 20+ novel drug targets for Ulcerative Colitis
- Benchmarked existing AI for biotech tools and designed NLP algorithms for future workflow automation

### Draper Venture Network, San Mateo, CA | *Venture Scout / Head of Scouting Programs, August 2023 - May 2024*

- VentureScout, DraperX:* Sourced/diligenced 20+ startups in AI, biotech, deeptech, synthesizing product-market fit insights for Draper's theses
- Head of Scouting Programs (West), Draper University:* Launched a grassroots university fellowship targeted at untapped ecosystems; created five new sourcing verticals; amplified founder engagement and undergraduate deal flow to DraperU's broader Hero City fellowship.

### The ORCA Network, San Francisco, CA | *Venture Fellow, July 2023 - December 2023*

- Led go-to-market strategy and branding initiatives across Bay Area ecosystems, boosting platform adoption to 1000+ startup founders and VCs.
- Designed and executed pitch competitions that increased founder engagement by 2x while spotlighting underrepresented VC firms.

### M.E.T. Strategy Group, Berkeley, CA | *Financial & Business Strategy Consultant, January 2023 - Present*

- Blue Origin:* Defined market entry strategy for Blue Origin, identifying four new verticals. Detailed financial modeling of profitability and risk
- DOMO:* Designed a reorganization/consolidation plan, improved workforce efficiency 50%+ through process redesign and product alignment

## ADDITIONAL PROJECTS & DETAILS

**MET Student Board | Executive Board Member:** Led outreach strategy and admissions events for 200+ prospective students, strengthening M.E.T.'s long-term brand visibility, student-admit connections, and overall yield; Organized cross-cohort social networking events with 75%+ retention

### Startups & Ventures:

- Cofounder & Head of Business | ShellGel | Designed a bioreactor for marine ecosystem revitalization; led external partnership (Hog Island Co.)
- Independent VC Contributor | House Fund, Mayfield, Susa Ventures | Coordinated deal-flow efforts within Berkeley's startup ecosystem;
- Cofounder & Business Advisor | VTOL at Berkeley | First vertical takeoff and landing drone club at Berkeley; handled day-to-day operations

**Pre-Collegiate Experience:** NASA SpaceBio & AstroBio teams (Researcher, 2022, 2021) ▶ ZeroUI (R&D & Software Development Intern, 2019 - 2022) ▶ Rice Mechatronics & Haptics Lab (Student researcher, 2022) ▶ FIRST Robotics Executive Team (Treasurer, Outreach Lead, Hardware, 2018-2022)

**Languages:** English, Tamil, Spanish ▶ **Hobbies:** Indian Classical Music, EDM Fusion, Origami, Trivia Games, Travelling ▶ **US Citizen (authorized to work)**

## AWARDS & RECOGNITIONS

- QWEST (2025 Cohort): One of 30 students selected to Berkeley's competitive biotech workforce development program and incubator
- Co-author, Nature Publication (2024) | *Nature Communications Medicine* [volume 4, Article number: 106 \(2024\)](#)
- National Award Winner, NASA GeneLab for High Schools (2022); Presenter at the American Society for Gravitational and Space Research
- SEED Award and iCorp Grant for ShellGel Product Development (2022), BEEP Entrepreneurship Funding Grant (2022)
- Featured in *Humans of Haas* (2023); Interviewed in *The GenZ Fastlane* and *The Magnus Effect* podcasts (2024, 2022)