Arjun Rawal

GitHub | LinkedIn | arawalarjun@gmail.com | arjunrawal.com

EDUCATION

Stanford University Stanford, CA, 2027 - 2031
Intended Major: Symbolic Systems, Concentration in Learning

North Carolina School of Science and Mathematics Durham, NC, 2024 - 2026
Relevant Coursework: Machine Learning, Data Structures and Algorithms, Research in Computational Science

EXPERIENCE

Phia, *Full Stack Product Engineer* Jun. 2026 - Present

- Led development of four core consumer product features across mobile and backend systems: Digital Closet, Virtual Try On, Lens, and Agentic Checkout
- Developed on-device computer vision pipelines using Core ML and Apple Vision for face matching, person segmentation, and garment isolation.
- Reduced app bundle size by 30% and cold-start time by 45% through mobile performance optimizations
- Migrated AI inference workloads to self-hosted open-source models on GKE GPUs, reducing infrastructure costs by 82%
- Built an internal agent to run regression testing on new app and extension builds, autonomously navigating application flows and identifying failures
- Built campaign-specific onboarding flows dynamically tailored to App Store product pages

General Learning (YC F24), *Founding Engineer* Nov. 2024 - Jun. 2026

- Owned development and maintenance of key product platforms: oneprep.xyz, revisiondojo.com, and grademaxx.com
- Led end-to-end development of the OnePrep and RevisionDojo mobile apps
- Built internal growth systems for UGC performance analytics, automation, and payout operations
- Designed a content infrastructure that processed and served 100k+ educational questions and written assets
- Built a response-prediction model to personalize question sequencing, increasing user session duration by 150%

PUBLICATIONS

Rawal, A., et al. (2025). PEBBLE: A Pedagogical and SRL-Aware Benchmark for Evaluating LLM Tutors. NeurIPS 2025 LLM Evaluation.

Rawal, A., et al. (2026). Examining the Effectiveness of LLMs as Online Teaching Assistants for Students through Cognitive Presence. AERA 2026 Annual Meeting.

Rawal, A. (2025). Dynamics of Competition in the EdTech Market: Insights from Adoption and Quality Progression Models. International Journal of Humanities, Social Sciences, and Management, 5(1), 186-194.

SKILLS & INTERESTS

Skills: Full-stack Development (Typescript, Python, Next.js, FastAPI, GraphQL, PostgreSQL, Tailwind, Cloudflare, TanStack), App Development (Swift, React Native, Expo), Cloud and Infrastructure (GCP, GKE, Ray Serve, gRPC), Model Serving and Evaluation

Interests: Chess, Poker, Pickleball, Combinatorics