Kashish Arora

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EDUCATION

Vanderbilt University — College of Connected Computing **Nashville, TN**
B.S. in Computer Science and Applied Math, Minor in Business | GPA: 3.82/4.00 *Expected May 2028*

- Honors: Cornelius Vanderbilt Scholar — Full-tuition merit scholarship + $6,000 summer stipend (top ~1% of applicants)
- Relevant Coursework: Data Structures, Algorithms, Intermediate Software Design, Computer Architecture, Discrete Structures, Mathematical Probability & Statistics, Multivariable Calculus & Linear Algebra, Technology Strategy, Private Capital Markets

PROFESSIONAL & RESEARCH EXPERIENCE

ID.me **Mountain View, California**
Software Engineering Intern *June 2026 – August 2026*

- Owned end-to-end development and launch of ID.me's first production AI shopping assistant, building a Java/Spring Boot service with reusable tool integrations and coordinating deployment across 8 repositories through SRE, Platform, and Security reviews.
- Raised search relevance from 0% to ~90% on 62 previously failing queries using LLM query expansion, semantic retrieval over ~10K offers, and LLM-based relevance filtering; reduced p95 latency ~25% by offloading synchronous calls from Shop's web servers.
- Engineered an identity-aware offer-ranking pipeline that prioritizes verified-community discounts, personalizes recommendations using cross-session context stored in Google ADK Memory Bank, and integrates Snowflake-derived revenue scores to rank cashback offers.

Vanderbilt University — Leach Lab **Nashville, Tennessee**
Undergraduate Researcher | Advisor: Professor Kevin Leach *August 2026 – Present*

- Investigating execution-guided decompilation of optimized C binaries to reconstruct source-level data structures and pointer relationships, exploring how runtime evidence can overcome limitations in static type recovery and improve recompilability.
- Developing GDB-based dynamic analysis to trace memory accesses, infer struct field offsets and pointer relationships, and compare runtime observations against decompiler output to evaluate structural recovery across compiler optimizations.

Be The Source **Nashville, Tennessee**
Full-Stack Developer *August 2025 – June 2026*

- Re-architected the backend for an LMS serving 3,800+ users, building 15+ REST APIs with Node.js/Express and PostgreSQL to replace legacy infrastructure, support new course-management workflows, and save the organization $10K+ in annual operating costs.
- Automated administrative workflows through 5+ full-stack features, including a Zoom-integrated attendance tracker that reduced manual data entry by 15 hours/week and a certificate generator that streamlined course-completion tracking.

Trigyn Technologies **New York City, NY**
AI Engineering Intern *July 2025 – August 2025*

- Independently built and deployed an internal AI knowledge assistant used by 1,500 employees across HR, engineering, and operations, enabling self-service answers from 100+ company documents and reducing employee support tickets by 30%.
- Designed the end-to-end RAG and evaluation pipeline in Python and LangChain, including document ingestion, semantic retrieval, Phi-based generation, and a production API; achieved 92% accuracy on an internal evaluation set for company-specific questions.

SELECTED PROJECTS

FinCoach AI *May 2025 – March 2026*

- Built a multilingual LLM financial coach using custom financial-literacy content to personalize budgeting and banking guidance.
- Engineered profile-based lesson selection, dynamically injecting relevant curriculum content into LLM prompts for each user.
- Piloted with 40 students, increasing pre/post financial-literacy scores by 60%; partnered with 2 schools to expand classroom adoption.

LEADERSHIP

Vanderbilt University — College of Connected Computing **Nashville, Tennessee**
Teaching Assistant - Program Design and Data Structures (CS 2201) *August 2026 – Present*

- Support a 650+ student Data Structures course through office hours, grading, debugging, and individualized technical instruction.

Change++ **Nashville, Tennessee**
Vice President of Operations *January 2025 – Present*

- Recruited and onboarded 6 nonprofit partners for Vanderbilt's pro-bono software organization, translating stakeholder needs into 6 scoped software projects and aligning nonprofit leaders with student engineering teams from discovery through development.
- Introduced milestone-based partner reviews and structured stakeholder communication across active projects, giving nonprofit partners greater visibility into delivery progress and enabling teams to surface scope changes, risks, and feedback earlier in development.

Product Space @ Vanderbilt **Nashville, Tennessee**
Product Fellow *May 2026 – October 2026*

- Selected as 1 of 15 fellows from 150+ applicants to lead product discovery and strategy for Civic's AI-native government CRM.
- Redesigned 6 congressional workflows through user research and prioritization, translating staff pain points into recommendations.

Commodore Capital Group **Nashville, Tennessee**
Analyst *January 2026 – Present*

- Selected as 1 of 18 analysts from 180+ applicants to research private-market acquisitions and present investment theses on recent deals.
- Evaluate investment rationale, transaction structure, competitive positioning, and post-close strategy; support analyst recruiting.

SKILLS AND INTERESTS

Skills: Java, Python, C++, JavaScript, Ruby, Rust, SQL, Spring Boot, React, Node.js, Express, Rails, PyTorch, LangChain, Google ADK, Gemini, Vertex AI, PostgreSQL, Redis, Elasticsearch, GCP, AWS, Docker, Terraform, Git
Honors/Awards: Best Design at HackRU, Best Hack at RidgeHacks, Girl Scout Gold Award, National Debate Circuit finalist
Memberships: Student Alumni Board, Women In Business, Kappa Delta Sorority, Society of Women Engineers, Tikkun Olam Makers
Interests: Ethics & Moral Philosophy, A Cappella, Brain-Computer Interfaces, Film Photography, Bouldering, Housing/Urban Policy