Akash Sathish

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EDUCATION

University of North Carolina at Chapel Hill | Chapel Hill, NC **May 2028**

B.S. in Computer Science, B.S. in Data Science, Minor in Artificial Intelligence ***GPA: 3.8***

- **Coursework:** Data Structures & Algorithms, Computer Programming, Systems Fundamentals, Discrete Math
- **Honors & Certifications:** Dean's List, Fidelity Hack Winner, Eagle Scout, Anthropic MCP: Advanced (Certified)

TECHNICAL SKILLS

- **Languages (ordered by proficiency):** Python, Swift, SwiftUI, Java, SQL, TypeScript, JavaScript, C
- **Tools and Frameworks:** FastAPI, Xcode, PostgreSQL, Cloudflare Workers, Claude Code, Swift Testing, MCP

EXPERIENCE

Snapback Sports | *New York City, NY* **Jun 2026 - Sep 2026**

AI Engineer

- Engineered offline-first **iOS app** with multi-device sync and session auth; shipped to **TestFlight** for internal beta
- Shipped new features and game modes in the Snapback Trivia iOS app (**100K+** downloads) with **React Native**
- Shipped Snapback Experiences, a gameday planning web platform that sustained **1,000+** concurrent users
- Built **LLM** trivia pipeline (**schema validation**, prompt caching); an **800+** question eval set held **98%+** accuracy
- Prevented hallucinated trivia with **RAG** over sourced sports data and an **LLM-as-judge** verifier before publish

Intelitrade | *Chapel Hill, NC* **Jan 2026 - May 2026**

Software Engineer

- Developed LLM sentiment analysis (**OpenAI API**, **LangChain**) validated against human ratings on **400+** articles
- Built internal AI agent for dev workflow with tool-scoped actions and human approval gates; adopted team-wide

University of North Carolina - Klotsa Group | *Chapel Hill, NC* **Dec 2025 - Jan 2026**

Research Software Developer

- Built faculty profile system (**Next.js**, **PostgreSQL**) for **40+** faculty, replacing a manual Excel spreadsheet system
- Synced profile edits to the matching engine in real time so **90+** clinician/faculty pairs showed matches instantly

PROJECTS

MailSentry | *macOS MailKit Extension* **Aug 2026 - Present**

- Shipped a **macOS** app to the App Store (**Apple MailKit** extension + a sandboxed **launchd** helper) that gives AI assistants a read-only **IMAP** mirror of user mail instead of the real account; on-device, no external servers
- Limited that mirror to primary-address mail, scrubbed by a **MIME** parser and multiple detectors for hidden text
- Gated agent actions behind user approval through an **MCP** server with rate limiting; **315+ Swift Testing** cases

Arceo | *AI Agent Security Platform* **Feb 2026 - Present**

- Built a 3-tier cost-forecasting engine that predicts agent LLM spend pre-deployment, within **7%** of actual spend
- Designed a scoring engine that surfaces an agent's **worst-case damage** by analyzing the tool calls it can access
- Surfaced dangerous agent chain on **OpenAI's** 6-agent customer service demo that could refund without approval
- Shipped a **GitHub Actions** workflow that scans agent safety per pull request, failing the merge when too risky

BackBuddy | *Trading Assistant* **Mar 2026**

- Integrated Kalshi's **REST API** with a **FastAPI** backend, automated trade execution, custom **React** hooks for live alerts, live P&L portfolio tracking, and cashout warnings tied to game state across multiple NCAA games

CLUBS

App Team Carolina | *Chapel Hill, NC* **Sep 2025 - Present**

- Completed the iOS curriculum, building SwiftUI practice apps with **MVVM**, JSON Decoding and REST integration

Deloitte Workshop | *Chapel Hill, NC* **Aug 2026 - Nov 2026**

- Replaced a manual workflow with an automated **Salesforce** process: conditional branching and exception paths