

Sashikant Kumar

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Computer Science and Mathematics student focused on building AI, information retrieval, and workflow systems that are useful enough to ship and maintain.

EDUCATION

Arizona State University, Ira A. Fulton Schools of Engineering

Expected May 2028

B.S. Computer Science and B.S. Mathematics; GPA: 3.90/4.00

- Dean's List every semester; New American University Scholar - Provost Distinction Award

SKILLS

Languages: Python, JavaScript, TypeScript, C++, Java, SQL, MATLAB

Technologies: FastAPI, React, React Native, Expo, Claude Code, Chrome Extensions MV3, ChromaDB, PostgreSQL, MongoDB, Supabase, Railway, Docker, GitHub Actions, Git, Playwright, Pytest, Power Automate, Airtable

Concepts: Data Structures & Algorithms, Object-Oriented Design, Information Retrieval, Machine Learning, RAG, Agentic Systems, REST APIs, Testing, Automation

EXPERIENCE

Software Developer, Data & Automation, Ira A. Fulton Schools of Engineering, ASU

Mar 2025 - Present

- Designed and shipped a 3-tool project intake and tracking workflow using Microsoft Forms, SharePoint, and Power Automate for the SSE Data Workgroup.
- Architected an EPICS purchase/reimbursement Airtable pipeline with 2 public intake forms, 5 relational tables, 11 status values, and 3-campus coordinator routing.
- Built live per-team budget rollups and tested the request flow end to end with a real form submission, status update, and confirmation email.

Undergraduate Research Assistant, Complex Adaptive Systems Initiative, ASU

May 2025 - Aug 2025

- Used Pandas and NumPy to automate monthly progress audits and generate visual reports for three student research assistants.
- Fine-tuned ResNet18 with FastAI for binary classification experiments and summarized results for research feasibility assessment.

PROJECTS

Ambi - Personal Browser Memory and Search

JavaScript, FastAPI, ChromaDB

- Built a Chrome extension that helps users find pages they have visited before by saving useful browsing context locally instead of sending personal history to a cloud service.
- Created a search experience that combines meaning, keywords, recency, and time spent on a page to surface more relevant results.
- Added privacy controls for deleting saved data, ignoring incognito pages, and filtering sensitive content before it is stored.

ConSnow - Consent-Native Ambient Social App

React Native, Expo, FastAPI, MongoDB

- Co-founded and built a passive social app that shares real-time status and location context with a user's 5-10 closest people without manual updates. Shipped to 15 real users on TestFlight across the US and India.
- Built a FastAPI + MongoDB backend deployed on Railway integrating Google Places geocoding to process and classify raw location data.
- Shipped a place-learning system (Home/Work/Frequent/Occasional detection) and a location-accuracy pipeline (GPS drift filtering, stationary lock, timezone-aware timestamps) across iOS (TestFlight) and Android builds.

Focus Lock - Daily-Use Chrome Productivity Extension

[Demo](#)

JS, Python, Chrome MV3

- Built a Chrome extension I use daily to block distracting websites, keep focus sessions running after browser restarts, and prevent ending a lock early.
- Connected the extension to macOS Shortcuts so starting a browser lock can also turn on Apple Focus across my devices.

ADDITIONAL

Awards: 1st Place, ASU Principled Innovation Academy - Ember, a grief-companion app.

Activities: Active member of SODA, DevLabs, and Claude Builder's Club; hackathons include HackAZona and ASA DataFest (solo); volunteer experience includes tutoring 20+ students in mathematics and logging 40 hours at Lost Our Home Pet Rescue.