

Advait Chirmule

480-876-9732 | achirmul@asu.edu | [Linkedin](#) | [Github](#)

EDUCATION

Arizona State University

Master's of Science in Computer Science, GPA: 3.80/4

Tempe, AZ

Aug 2023 – May 2025

EXPERIENCE

Full Stack Developer

Jan 2026 – Present

Trekka AI

Tempe, AZ

- Built a personal finance dashboard in React + TypeScript that aggregates bank accounts, investments, and liabilities using Plaid.
- Implemented secure data handling with Supabase, encrypting access tokens and creating anonymized, shareable financial reports.
- Processed and visualized financial data to surface insights like net worth, cash flow trends, and asset allocation.
- Added an AI financial assistant with Groq to help users explore their finances and plan investments.

Full Stack AI Application Intern

May 2025 – Nov 2025

Cognia Security

Tempe, AZ

- Built a Spring Boot based security dashboard for a startup, for clients to continuously assess and fix vulnerabilities.
- Implemented a vulnerability scanning pipeline by integrating Azure Defender and OWASP security tools, and generating findings every few hours.
- Deployed client applications to Azure using Terraform, provisioning cloud resources and resource groups, and simulating attack paths for security assessment.
- Improved development velocity by 40% using Cursor AI and Agile workflows in Linear.

PROJECTS

Resume Customizer | *Next.js, TypeScript, Tailwind CSS, Postgres*

Dec 2025 – Jan 2026

- Developed a web app that customizes Resumes on Overleaf with just a few button clicks, in mere seconds.
- Developed a lightweight frontend using Next.js, TypeScript, and Tailwind CSS for fast load times and clean UI.
- Implemented Supabase authentication and database to manage user accounts and resume versions and variants.

Vocab Master | *ASP.NET, C#, JavaScript, AJAX, Kotlin, XML, Firebase*

Jan 2025 – Aug 2025

- Built a cross-platform GRE study app serving 100+ users, enabling vocab practice and a multiplayer word game.
- Developed web (ASP.NET MVC) and Android versions (Android Studio) connected via Firebase RESTful APIs for secure login and game room management.
- Created a custom algorithm to handle network lag and maintain multiplayer game sync.
- Added SQL Server caching for offline functionality and to reduce latency by 60%.

AWS-Powered Application for Image Recognition | *Java, Linux, Algorithms, Git*

Aug 2024 – Dec 2024

- Developed an application that identifies famous personalities from videos.
- Configured an AWS EC2 instance to split videos using ffmpeg, and run through a deep learning recognition model.
- Designed a inference layer using Amazon Machine Images (AMI), auto-scaling dynamically from 0 to 20 instances based on workload. Coupled with Amazon SQS queues, achieved a throughput of 500 requests in 240 seconds.

PUBLICATIONS

Jailbreaking Proprietary Large Language Models | *Arizona State University*

ACL ARR 2024 Feb

- Studied cryptographic ways to encode prompts to jailbreak, automated GPT API calls to speed up work by 50%.
- Analyzed results using Power BI, achieving up to 60% jailbreaking success across multiple large language models

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, C#, C++, XML

Frontend: React, HTML, CSS, RESTful API, HCI

Backend: .NET, MySQL, Postgres, AWS, Docker, Kubernetes

Others: Agile, Github, AI/ML, Problem Solving, Teamwork