

Armaan Agrawal

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SUMMARY

Software engineer with expertise in swiftly deploying high-quality software products into production. Key projects include SwipeFeed, a personal project showcasing innovative design, and a Boston Red Sox application that achieved a 75% reduction in data entry time. Leadership in mobile app development at Code4Community enhanced team collaboration and productivity. Dedicated to employing technical skills to efficiently create impactful solutions.

EDUCATION

Northeastern University

Bachelor of Science, Computer Science

May 2026

Boston

- **Achievements:** Founder & Chair of ACM at Northeastern University — started from 0 to now 200+ active members
- **Coursework:** Distributed Systems, Software Development, Artificial Intelligence, Digital Design & Computer Architecture, Networking Fundamentals, Database Design, Object-Oriented Development, Data Structures & Algorithms

EXPERIENCE

NExT Consulting

Software Engineer

Aug 2025 - Dec 2025

Boston, MA

- Created a collaborative filtering recommendation engine used by 2500+ students at Northeastern to decrease failed job searchers
- Engaged in Agile Development and scrum project management to build a full-stack React and Django web application

Northeastern University

Research Assistant

Jan 2025 - May 2025

Boston, MA

Granted the PEAK Award at Northeastern University to investigate effect of news sentiment on consumer behavior under Dr. Yakov Bart

Boston Red Sox

Software Engineer

Jan 2024 - Sep 2024

Boston, MA

- Spearheaded digitalization of processes through user testing and collaboration with Red Sox media and clubhouse teams, reducing daily batting-lineup data entry time by 75%
- Engineered a robust Python Django backend with Okta SSO user authentication to streamline sign-in flow
- Crafted a responsive and interactive Vue, TypeScript, Jinja frontend and custom UI components
- Optimized data retrieval through Redis and Celery workers, leading to 90% reduction in API call latency

Code4Community

Technical Lead

Sep 2024 - Present

Boston, MA

- Led a cross-functional team of 8 members to create a cross-platform mobile application using React Native and Expo, enhancing team collaboration and project efficiency
- Architected 4 robust services using NestJS framework, optimizing for system scalability and API response time
- Mentored 5 junior developers, resulting in quick onboarding and increased team productivity, which contributed to faster project completion

PROJECTS

2nd Place - AgentOps AI Agent Hackathon

Mar 2025

AgentOps AI Agent Hackathon

- Within 3 hours, created and presented an agent that produces a new clothing wardrobe given a user prompt
- Uses web scraping to develop a retrieval-augmented generative AI (LLM) model that agent uses to optimize for variety, pricing, climate,
- Engineering a model (machine learning and reinforcement learning) for image feature-extraction

SwipeFeed - TikTok for News | www.swipefeed.xyz

Aug 2024 - Present

- Launched iOS app with SwiftUI to make curated news accessible fast (1000 users)
- Designed user onboarding flows and paywalls with RevenueCat to maximize in-app subscriptions
- Used web crawler scraping, News API and Gemini API to collect, categorize, curate breaking news most relevant to user base
- Used Firebase for user authentication and database, with Redis caching to reduce lookup latency
- Fly.io used for Docker containerized continuous deployment and scaling to meet demand
- Created a promotional website with Next.js to drive downloads—10000 page visits

TECHNICAL SKILLS

- **Languages:** Java, Python, C/C++, SQL (Postgres, MySQL), TypeScript, Swift, JavaScript, HTML, CSS, Linux Shell
- **Frameworks:** React, Node.js, Nest.js, Vue.js, Express.js, Prisma, Django, JUnit, FastAPI, Tailwind CSS
- **Developer Tools:** Git, Docker, Kubernetes, Firebase, GCP, AWS, Elasticsearch, Redis, Celery, Scrapy, Selenium, Puppeteer