

# ANIRUDH YALLAPRAGADA

Full-Stack Software Engineer

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## EDUCATION

University of Illinois at Chicago (UIC)

Chicago, IL

Bachelor of Science in Computer Science

Expected May 2026

Master of Science in Computer Science

Expected May 2028

**Relevant Coursework:** Artificial Intelligence, Mobile Development, Systems Programming, Database Systems, Web Security

## TECHNICAL SKILLS

**Languages:** Java, JavaScript/TypeScript, Python, SQL, C/C++, Swift, Kotlin

**Full-Stack:** React, Springboot, Node.js/Express, REST APIs, HTML/CSS

**Data & Cloud:** Docker, PostgreSQL/MySQL, SQLite, Firebase, Git, CI/CD (Azure DevOps)

**Testing & AI:** Playwright, Selenium, LLM integration, Realtime, Whisper STT, TTS

## Experience

Software Engineering Intern | Walgreens

June 2025 – August 2025

- Built CI/CD-integrated Playwright end-to-end tests validating core user workflows across browsers, reducing test execution time by  $\approx 25\%$
- Automated frontend flows backed by live backend data (search, filtering), detecting regressions introduced by UI or service changes
- Refined stories and system workflows across Agile sprints in response to evolving interactions

Research Engineer – AI Tutoring Systems | UIC

August 2025 – Current

- Designed and implemented a **real-time AI tutoring system** for the Temi robot using Kotlin (Android), exercised across 200+ hours of live conversational sessions using LLMs
- Engineered a low-latency conversation orchestration pipeline integrating streaming Speech-to-Text, LLM response generation, and Text-to-Speech

Teaching Assistant | UIC

January 2025 - Current

- Working as a teaching assistant CS 342: Software Design, focusing on Java development, full-stack programming, and JavaFX for interactive GUI design
- Facilitating office hours to help individual students, providing guidance on designing software and debugging techniques

## PROJECTS

ClassGPT | Spring Boot, React, PostgreSQL, REST APIs, Docker, LLM Integration

December 2025

- Built a **full-stack** class discussion platform using **Spring Boot & React, integrating an LLM RAG system** and managing core workflows including authentication, enrollment, & content delivery
- Owned the end-to-end architecture, defining API contracts, database schema, and a role-based access control (RBAC) model to ensure scalability and secure moderation

ArtExpo | React, Node.js (Express), REST API, SQLite/MySQL, CSS

April 2025

- Designed and built a **full-stack web platform** for managing virtual art exhibitions, including authentication, exhibitions, artworks, and ticketing
- Owned backend API development in **Node.js/Express** & frontend implementation in **React**, supporting browsing, scheduling, & ticketing workflows