

ANIRUDH KOMPELLA

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EDUCATION

University of Wisconsin–Madison

B.S. Computer Engineering | GPA: 3.80/4.00 | Dean's Honours List (6/6 Semesters)

Aug 2022 – May 2026

Madison, WI

Relevant Coursework: Data Structures & Algorithms, Artificial Intelligence, Intro to Computer Systems (C), Microprocessor Systems, Linear Algebra, User Interfaces

EXPERIENCE

FICO

Software & Gen AI Engineering Intern

Reston, VA

Jun 2025 – Dec 2025

- Built InsightMeet AI Studio, an LLM platform converting meeting transcripts to structured Jira tickets with 94% accuracy and 96% reduction in ticket-creation time via iterative prompt engineering and user-feedback loops.
- Developed full-stack application with React frontend, FastAPI backend, and AWS deployment; built evaluation framework measuring reliability, latency, and user trust — going beyond standard accuracy metrics.
- Created AI-powered document processing pipeline converting PDF business policies into deployable FICO Decision Modeler assets, eliminating manual re-entry across 100+ policy documents.
- Implemented JWT-secured gRPC microservice authentication and Pulsar metadata persistence for distributed authorization, achieving 97% test coverage across Apache Pulsar services.
- Developed browser-based Claude CLI bridge via Node.js WebSocket server, PTY integration, S3 session replay, and Git branch management — enabling collaborative AI-assisted debugging with zero local setup.

Software Engineering Intern

May 2024 – Aug 2024

- Engineered REST API endpoints using Spring Boot and MongoDB with Controller-Service-Repository architecture, reducing average response latency by ~30% through optimized query patterns.
- Containerized 4+ microservices into Docker images and orchestrated Kubernetes deployments, cutting release cycle time by 40% and enabling zero-downtime rolling updates.
- Designed and implemented JWT-based authentication system using Spring Security, securing all API endpoints and session management across a distributed user base.

GXS Digital Bank

Singapore, SG

Data Analytics Intern

May 2023 – Aug 2023

- Developed automated Python validation pipeline for credit risk datasets, improving data quality by 20% and reducing manual review time by 35%, directly accelerating monthly reporting cycles.
- Processed and analyzed large-scale credit risk datasets on Snowflake, enabling scalable data operations across 1M+ records using advanced Excel pivot tables and macros.

PROJECTS

E-Commerce Backend API

Java, Spring Boot, MongoDB, Docker, Kubernetes

- Built secure REST API with Spring Boot and MongoDB using Controller-Service-Repository architecture; deployed via Docker and Kubernetes with Helm charts for scalable, zero-downtime cloud deployment.
- Achieved 95%+ test coverage using JUnit and MockMvc integration tests across all API endpoints.

BadgerChat Platform

React, React Native, Wit.AI, Firebase, Expo

- Built multi-interface chat app (web, mobile, voice) integrating GPT-4o personas and Wit.AI intent recognition for dynamic AI-driven conversations with varied response handling.
- Implemented JWT-based authentication, secure token storage via expo-secure-store, and localStorage persistence for robust session and state management across platforms.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, HTML/CSS, SQL, Verilog, x86 Assembly, MATLAB

Frameworks & Libraries: React, FastAPI, Spring Boot, Node.js, Pandas, Matplotlib, Splunk, Apache Pulsar

Cloud & DevOps: AWS (S3, EC2), Docker, Kubernetes, Jenkins, Git, Snowflake

AI/ML: LLM Prompt Engineering, RAG, GPT-4o API Integration, Evaluation Frameworks