

Chandrakant Koneti

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Education

North Carolina State University

Master of Science, Computer Science

Aug 2024 - May 2026

Raleigh, NC, USA

Coursework: Data Structures & Algorithms, Object Oriented Design, Databases & Operating Systems, Networks, AI

Indian Institute of Engineering Science and Technology

Bachelor of Technology, Information Technology

Nov 2020 - May 2024

Kolkata, India

Technical Skills

Languages: Python (FastAPI, Django), TypeScript/JavaScript (Node.js, React), Java (Spring Boot), C++, SQL

AI Tools: LangChain, PineCone, FAISS, OpenAI API, PyTorch, PlayWright MCP, Temporal, N8N

AWS Cloud: Bedrock, Lambda, API Gateway, IAM, S3, RDS, DynamoDB, Cognito, CloudWatch, EC2, CDK

Databases: OpenSearch (VDB), PostgreSQL, MongoDB, Redis; **Messaging:** Kafka, RabbitMQ

Dev Tools: Git, Docker, CI/CD, Postman, Swagger, Pytest, Agile, SDLC, Claude Code, Cursor, Copilot

Experience

Software Engineer Intern | Yottasecure, Inc. – San Jose, CA, US

Jan 2026 - Present

- Building a role-aware **RAG** based **AI** chatbot using **AWS Bedrock** with **Python** Lambda orchestration and DynamoDB backed session history to deliver context-aware responses.
- Developing data pipelines using 4 Lambdas triggered by EventBridge to store 10K+ security records/day in S3 with **IaC** provisioned through AWS CDK in **TypeScript** for downstream **LLM** workflows.
- Optimizing **vectorDB** indexing of 1M+ records of **AWS S3** using custom Lambda **triggers** to chunk and embed data using Titan, and store them in **AWS OpenSearch** reducing service costs from \$50K to \$20K/year.

Software Engineer Intern | Reva.AI – Remote, US

May 2025 - Aug 2025

- Built and deployed 4 **Python** Lambdas using API Gateway, and DynamoDB for centralized multi-tenant config, eliminating 30GB across **20+** **Kubernetes** clusters and saving \$5K/year.
- Reduced stream API latency by 120ms by multithreading usage logging in a **FastAPI LLM** service integrating Amazon Bedrock via **LangChain**, streaming events to CloudWatch for real-time billing.
- Increased reliability of long-running **AI workflows** by enhancing the core Java Spring Boot **Temporal** microservice, unifying error handling for **59** activities and reducing manual retries by 98%.

Frontend Engineer Intern | RabbitLoader – Remote

Sep 2023 - Aug 2023

- Led the migration of core **micro-frontend** from **React** v14 to v18, fixing legacy bugs, preventing regressions in prod.
- Cut load time from 12s to 3.5s and bundle size from 300MB to 3MB by re-architecting with **Redux** state and optimizing load distribution in **Webpack** to efficiently route modules across Angular and Vue apps.
- Boosted UI performance by 400% with infinite scroll and lazy loading, delivering components **5x** faster using **MUI**.
- Developed mock APIs in **Node.js** for **E2E** testing, reducing **QA** cycles by 30% through automated **CI/CD** validation.

Backend Engineer Intern | Cambridge Technology – Hyderabad, India

May 2023 - Jul 2023

- Enabled reliable real-time medical data streaming through a Spring Boot service integrated with **RabbitMQ** for user notifications and **Kafka** for ML & **ETL** pipelines, preventing over 10GB of data loss during peak loads.
- Reduced Java GET API latency by 2s and reduced database calls by 65% through **Redis** caching of aggregated 100K+/week records, sourced from PostgreSQL and MongoDB.

Projects

AI-powered Low-Code UI Generator - Weberator | [IEEE Publication](#) - [RESEARCH PAPER](#)

June 2024

- Enabled Figma-style drag-and-drop, translating designs into an **N-ary** UI tree mirroring layout hierarchy; applied prompt engineering on **OpenAI API** to generate production-ready **React** code, cutting dev time by 55–65%.

AI Agentic Web Automation Tool - The Robot Driver | [Code Repo](#)

- Built an **AI** agentic web automation platform where a single prompt drives multi-step browser workflows (**Gemini API** + **Playwright MCP**); containerized **FastAPI** services with **Docker** and automated CI/CD via GitHub Actions.