

Eeranti Abhinav Chary

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EDUCATION

Master of Science in Software Engineering Systems

Dec 2025

Northeastern University, Boston, MA

Courses: Web Design and User Experience, Object-Oriented Design with JAVA, Program Structure and Algorithms

Bachelor of Science and Technology in Computer Science Engineering

May 2023

GITAM University, Visakhapatnam, AP

SKILLS

Programming Languages: JAVA, JavaScript, Python, C++

Web Technologies: HTML, CSS, SCSS, Spring Boot, Node.js, Express, Fast API, React, Angular, TypeScript, Selenium

Cloud: AWS Lambda, S3 Buckets, Docker, AWS Fargate

Databases: MySQL, MongoDB, Postgres SQL, NoSQL

Tools and Ops: Docker, Git, GitHub Actions, Postman

EXPERIENCE

GScore Solutions - Remote, US | *Software Engineer*

May 2025 - present

- Delivered end-to-end **Gen AI prototypes** for enterprise clients across government and financial sectors, designing backend systems and APIs to validate production feasibility through iterative client demonstrations
- Reduced query response time to <500ms by building dual-intent AI **chatbot** implementing natural language-to-SQL generation and RAG-based document Q&A with **role-based access control** for 7 user types
- Architected and built** email-based workflow automation prototype processing 200+ daily emails with event-driven microservices and RabbitMQ message queues, following production-ready design principles for seamless migration
- Engineered a robust **CI/CD** pipeline using GitHub Actions and Docker to automate testing and deployment, ensuring 99.8% uptime for the email processing service across 5 distinct environments
- Led **technical coordination** across frontend and QA teams, defining API contracts, gathering client requirements through iterative demos, and delivering integrated prototype solutions for enterprise dashboards

Northeastern University - Boston, MA | *Full Stack Developer Intern*

Jan 2025 – May 2025

- Spearheaded the **core development of a full-stack web application** using JAVA and React.js, improving the club's operational efficiency and member engagement through a responsive UI and secure backend services
- Conducted **requirements gathering** and system analysis sessions with stakeholders to define functional specifications and prioritize high-impact features, establishing a clear technical roadmap for the web platform
- Designed and implemented secure **RESTful APIs** with Spring, employing Cookie-based authorization, CSRF protection, and robust session management to safeguard user data
- Modeled and managed relational data** effectively by designing scalable MySQL database schemas and utilizing Hibernate ORM for seamless interaction between the application and database
- Initially deployed application on **on-premises server**, later migrated to AWS LightSail enabling CI/CD pipeline, improving deployment reliability and scalability

PROJECTS

Photo first Messaging App [[GITHUB](#)]

Oct 2025

- Built **cross-platform mobile app** using React Native, TypeScript, and Firebase with real-time photo messaging, achieving 95% code reuse between iOS and Android
- Implemented **E2E encryption** (AES-256), WebSocket real-time sync, and **FCM push notifications** with large image previews for secure photo sharing between couples
- Developed **serverless backend** with Firestore, Cloud Functions, and Cloud Storage featuring offline sync, image compression pipeline, and sub-3-second message delivery

Roommate finder web application [[GITHUB](#)]

Jan 2025

Full-Stack Web Page

- Developed a **MERN stack** web application for room and roommate searches, introducing advanced filters enhancing user engagement and retention
- Designed front end using **React.js** and **Material UI**, improving user experience and increasing conversion rates and session duration
- Engineered a backend using **Express.js** and designed scalable **search** features combining **MongoDB** geospatial queries and real-time socket communication

Job application tracking system [[GITHUB](#)]

Sep 2024

Java Application

- Built a job application system **using MVC architecture in JAVA**, separating concerns across presentation, business logic, and data layers
- Designed **modular class hierarchies** with **abstractions** and **polymorphism** leveraging low level design principles of JAVA
- Optimized performance using **Binary Search Trees** and **Quicksort** while integrating REST APIs with MongoDB and GridFS storage