

# 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++, 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

### Software Engineer | GScore Solutions - Remote, US

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

### Full Stack Developer | Northeastern University - Boston, MA

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

- 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

- Built a job application system using **MVC architecture** in JAVA, ensuring separation of concerns across presentation using JSP, 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