# Abhinav Chary Eeranti

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## SUMMARY

Software Engineer and AI enthusiast with a master's in software engineering and proven track record of architecting scalable, revenue-generating systems for diverse clients. I combine technical agility—mastering complex paradigms like Microservices and AI/LLM pipelines in weeks—with the strategic communication skills to translate business needs into robust software. Resilient and growth-oriented, I thrive in ambiguity, having successfully delivered production-grade solutions from scratch. I bring a "builder's ownership" and architectural maturity to tackling challenging engineering problems

## 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 and ORMs:** | MySQL, MongoDB, Postgres SQL, NoSQL, Hibernate, Sequelize, SQLAlchemy |
| **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, directly translating complex customer requirements into **production-ready backend systems**
- Designed and developed **REST API services** powered by Spring Boot and Fast API backend systems to integrate in-house AI models, achieving **sub-500ms latency** by deploying optimized Docker containers on AWS Fargate
- Architected and built an **AI-agent-driven email automation system** using RabbitMQ's pub/sub system, processing 200+ daily requests with an event-driven architecture that reduced manual triaging time by 70%
- Engineered **CI/CD** pipelines using **GitHub Actions and Docker** to automate testing and deployment, ensuring 99.8% uptime for the dashboards and API services running on AWS cloud platforms
- **Developed** responsive, data-intensive executive dashboards using **React and TypeScript**, which improved end-user data visualization efficiency **as measured by** a 20% reduction in time-to-insight for government and financial sector clients
- Accelerated **feature delivery and refactoring** cycles by ~30% by integrating **AI-powered development tools (Cursor, Claude)** into the daily workflow to generate boilerplate code and optimize REST API logic

**Full Stack Developer** | Northeastern University - Boston, MA                                               *Jan 2025 – May 2025*

- **Owned end to end software development** of a full-stack web application using **Java and React.js**, resulting in a 40% increase in member engagement through a responsive UI and improving the club's operational efficiency by building 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 data for 500+ active users
- **Modeled and managed** relational data effectively by designing scalable **MySQL** database schemas and utilizing **Hibernate ORM**, optimizing API response times by ~30% leading to seamless interaction between the application and database
- **Reduced deployment time by ~60%** and achieved 99.9% system availability by leading the migration from **on-premises servers to AWS LightSail** and implementing an automated CI/CD pipeline for reliable delivery

## 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
- Secured user privacy with zero data leaks by **researching and implementing 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 two side market, 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