

SecureHerAI

CSE-408

A1 group-03

Ahmed Nur Swapnil (2005009)

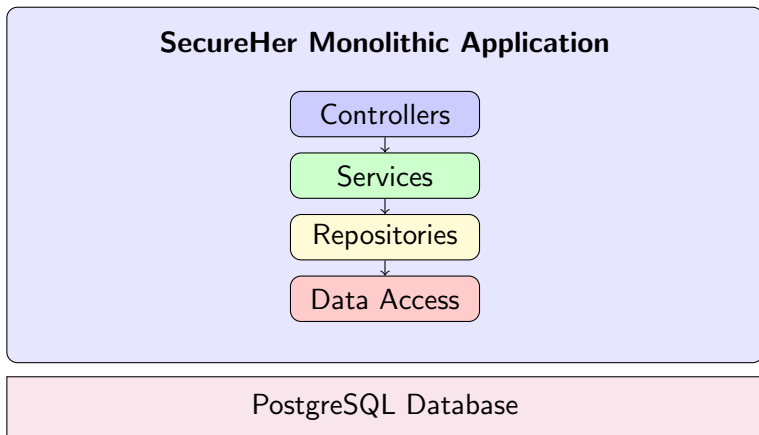
Ekramul Haque Amin (2005022)

Sonia Khatun (2005025)

May 14, 2025

Architecture Overview

Monolithic Architecture - single deployable application organized internally into well-defined, decoupled modules — each representing a business domain.



Modules

- ① SOS Alert System
- ② Fake Alert Detection
- ③ Map Route Tracking
- ④ Heat Map
- ⑤ Contact System
- ⑥ Authentication
- ⑦ Report System
- ⑧ User Management
- ⑨ AI Chat Helper
- ⑩ Notification
- ⑪ Responder
- ⑫ Admin

- **Frontend:** React Native, NativeWind (TailwindCSS), MUI for React Native.
- **Backend:** Spring Boot, Spring Web, Spring Data JPA, Spring Security + JWT
- **Database:** PostgreSQL
- **AI Integration:** GeminiAI, huggingface, etc.
- **APIs:** Google Maps API, Mapbox, Google Dialogflow, Speech-to-Text API, etc.
- **Storage & File Hosting:** Firebase Storage.
- **Deployment & DevOps:** Docker, Github Actions, Kubernetes

THANK YOU