

PUTTA THARUN SAI

+91-9390146658 | tharunsai.putta@gmail.com | github.com/TharunSai3508 | linkedin.com/in/tharun3508 | tharunsaiputta.com

EXPERIENCE

Software Engineer — Protectt.ai

Feb 2025 – Present

Next-gen cybersecurity · Android security SDK · Mobile app protection

- Android security SDK development: code obfuscation, RASP (Runtime Application Self-Protection) and anti-tampering for banking & enterprise applications
- Kotlin/Java bytecode modification (ASM, Javassist) and Android DEX manipulation for runtime security enforcement
- Custom Gradle plugins & build process hooks; IntelliJ and Android Studio plugin development using Plugin API
- Java and Python tooling for iOS application security analysis and cross-platform protection

Software Engineer Intern — Protectt.ai

Dec 2024 – Jan 2025

- Onboarded to Android security SDK codebase; contributed to Spring Boot backend services and scaffolded IntelliJ plugin structure

EDUCATION

IIITDM Kancheepuram — B.Tech + M.Tech, Computer Science Engineering

July 2019 – June 2024

- Curriculum: Data Structures & Algorithms, DBMS, Operating Systems, Computer Networks, High-Performance Computing

TECHNICAL SKILLS

Languages: Kotlin, Java, Python, C/C++

Android & Mobile: Android Studio, Jetpack Compose, Material3, MVVM Architecture

Security & Build: Code Obfuscation, Bytecode Modification (ASM/Javassist), RASP, Gradle Custom Tasks, IntelliJ Plugin API

Backend: Spring Boot, REST APIs, MySQL, PostgreSQL, MongoDB

Other: Git, Linux, Firebase

PROJECTS

Android Gallery App — Kotlin · Jetpack Compose · Material3 · MediaStore

- Local media gallery using MediaStore API with LazyVerticalGrid; Repository → ViewModel → UI clean architecture
- Runtime permission handling across API levels (READ_MEDIA_IMAGES on Android 13+); Navigation Compose for photo detail screen

Android Wallpaper App — Kotlin · Retrofit · Coil · Room · WallpaperManager

- Fetches high-res wallpapers from REST API via Retrofit; Coil image loading with disk cache; Room DB for offline favourites
- WallpaperManager API to set home/lock screen wallpapers programmatically; StaggeredGridLayout with cursor pagination

Fake News Detection — Telugu NLP — Python · BERT · PyTorch · Transformers

- Fine-tuned bert-base-multilingual-cased on 2,400 Telugu articles; achieved 88% Precision and 85% Accuracy
- GPU-accelerated training on Google Colab with transformers, torch, pandas, sklearn; semantic headline classification

Java-Based Banking Application — Java · Swing · AWT · MySQL · JDBC

- Desktop Bank Management System with account management, transactions, login/signup and full JDBC persistence layer
- MVC architecture with SHA-256 password hashing and pessimistic locking for safe concurrent transaction handling

Quiz Management System — Spring Boot · PostgreSQL · JPA · REST

- REST API backend for quiz and question services with JPA entities, Bean Validation, and global exception handling
- N+1 fix via JOIN FETCH; 12 REST endpoints tested with Postman; emphasis on scalability and clean API design

ACHIEVEMENTS

- Solved 200+ problems in 31 days (Coding Mafia boot camp by Coding Club); Udemy and Coding-Club-India specializations in Programming, Machine Learning, and Web Development

INTERESTS

Novels | Traveling | Movies | Drawing | Writing