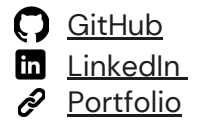


# ALLEN JERRIES A L

Software Developer

MERN Stack Developer | Mobile Application Developer | AI Enthusiast



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## ABOUT ME

Computer Science Engineering student passionate about building scalable software and solving real-world problems through technology. Experienced in full-stack development, Android application development, backend APIs, databases, and AI integration. Skilled in JavaScript, React.js, Node.js, Kotlin, Python, MongoDB, Firebase, and Git. Strong foundation in data structures, algorithms, object-oriented programming, and software engineering principles, with a commitment to continuous learning and delivering high-quality solutions.

## EDUCATION

B.E. Computer Science and Engineering

Coimbatore Institute of Engineering and Technology (2023 – 2027)

CGPA: 7.9/10

Higher Secondary (Class XII)

74.5%

## INTERNSHIP EXPERIENCE

**Cannyfore Technology Solutions Pvt Ltd | Jun 2025**

Full Stack Web Development Intern

- Developed a full-stack Online Movie Ticket Booking System using React.js, Node.js, Express.js, and MongoDB.
- Built responsive UI and integrated backend APIs with MongoDB.
- Gained hands-on experience with Git, SDLC, debugging, testing, and Agile development

## TECHNICAL SKILLS

**Programming Languages:** Java, JavaScript (ES6+), TypeScript, Python, Kotlin, C, C++, SQL, Go, PHP

**Frontend:** HTML5, CSS3, React.js, Tailwind CSS, XML

**Backend:** Node.js, Express.js, FastAPI, REST APIs

**Databases:** MongoDB Atlas, MySQL, Firebase (Firestore), Supabase

**Mobile Development:** Android Development (Kotlin), Flutter, React Native

**AI & LLM:** LangChain, LangGraph, RAG, Ollama, LLM Integration, AI Agent Development, Prompt Engineering

**Tools & Technologies:** Git, GitHub, Docker, Electron, Postman, VS Code, Claude Code

## PROJECTS

**JERRIES QUANTUM IDE – AI-Powered Development Environment** | Electron, React.js, TypeScript, Node.js, Ollama, Git

- Built an AI-powered IDE with autonomous code generation, debugging, and intelligent workflow automation.
- Integrated local LLMs, AI chat, terminal execution, Git support, and multi-model switching.

**ExamShield – Wireless Device Detection System** | Kotlin, Android, Jetpack Compose, Room, BLE, Wi-Fi

- Developed an Android app to detect Bluetooth, Wi-Fi, hotspots, and nearby smart devices.
- Implemented real-time distance estimation, device classification, and live tracking features.

**ForensiX – AI Digital Crime Investigation Assistant** | Python, OCR, Ollama, NLP, Streamlit

- Developed an AI-powered forensic platform for digital evidence analysis using OCR and LLMs.
- Automated entity extraction, timeline reconstruction, and investigation report generation.

**Smart Surveillance System** | Kotlin, Firebase, Firestore, MVVM, Material Design 3

- Built an accident detection and emergency response app using sensors and Firebase services.
- Automated SMS alerts, emergency calls, live location sharing, and incident history tracking.

**ShopVerse – Full Stack E-Commerce Platform** | React.js, Node.js, Express.js, MongoDB, JWT

- Built a full-stack e-commerce platform with secure authentication and RESTful APIs.
- Implemented product management, shopping cart, and order processing functionalities.

**JERRIES QUANTUM AI – Local AI Assistant** | React.js, Node.js, Ollama, Markdown, WebSockets

- Developed a local AI assistant supporting streaming responses and multi-chat conversations.
- Integrated local LLMs with markdown rendering, syntax highlighting, and chat management.