GARIGE VAMSHIKRISHNA

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SUMMARY

Motivated Software Engineering student with a strong foundation in Java, Python, and SQL. Skilled in Full-Stack Development and Mobile App Development (Android, React Native). Knowledgeable in Machine Learning and AI concepts. Eager to apply technical skills to solve real-world problems and deliver high-quality software solutions.

EDUCATION

Vellore Institute of Technology, Chennai   2021 – 2026
M.Tech (Integrated) Software Engineering   **CGPA: 8.53/10**

SR Junior College, Telangana   2019 – 2021
12th Grade (MPC)   **97.4%**

TS Model School, Telangana   2019
10th Grade (SSC)   **CGPA: 9.5/10**

TECHNICAL SKILLS

Languages: Java, Python, SQL, JavaScript, PHP, HTML, CSS
Frameworks: React Native, React.js
Technologies & Tools: Machine Learning, AI, Firebase, MySQL, Git, Android Studio

INTERNSHIPS & CERTIFICATIONS

TechCiti Technologies   May 2024 – June 2024
Software Developer Intern
- Developed a web application for crop yield prediction using Django and Machine Learning.
- Integrated ML models into the backend to provide real-time yield estimates based on input data.
- Gained hands-on experience in building full-stack web applications with Python/Django.

Certifications: Introduction to Analytics (Great Learning Academy)

PROJECTS

My Stuff App   *React Native, TypeScript, Firebase, Expo*
- Developing a robust cross-platform mobile application for tracking movies and TV shows, currently in active development.
- Implemented collaborative real-time watchlists and a full-featured in-app chat system with media support using Firebase.
- Integrated TMDB API for comprehensive media data, Google Sign-In for authentication, and Voice Search for accessibility.
- Optimized list rendering performance using FlashList and integrated Razorpay for premium subscription payments.

E-Commerce AI Assistant   *FastAPI, Ollama, Chart.js, SQL*
- Built a Text-to-SQL engine using FastAPI and local Ollama models (Gemma 3) to translate natural language questions into precise SQLite queries.
- Created a dynamic visualization layer using Chart.js that automatically selects appropriate chart types (Bar/Pie) based on data density.
- Designed a modern user interface featuring real-time logical explanations, session history, and instant JSON exports.

resQfood   *Java, Android Studio, Firebase, Google Maps API*
- Built a location-based Android application to connect food donors with NGOs and individuals in need, aiming to reduce food waste.
- Integrated Google Maps API for real-time location tracking of donations and optimized database queries for fast retrieval of nearby listings.

Smart Garage Door   *ESP32, Face Recognition, IoT, Arduino*
- Developed an IoT-enabled garage door system with secure facial recognition access.
- Integrated ESP32 with hardware for automated opening/closing and a web interface for remote control.

LANGUAGES

Languages: Telugu (Native), English (Fluent), Hindi (Intermediate)