

Chethan Krishna Manikonda

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EDUCATION

Vellore Institute of Technology (VIT)

B.Tech in Computer Science, AI & ML

Vellore, India

2022 – 2026 (Expected)

EXPERIENCE

Flutter Developer (Personal Projects)

2022 – Present

Independent

Remote

- Developed **PulsePoint**, a cross-platform blood donation app using Flutter and Firebase. Integrated maps, push notifications, and AI-powered donor matching.
- Built **FlareChat**, a real-time chat app with media sharing, notifications, and Firestore.
- Created a floating widget assistant in Flutter mimicking Grammarly Assistant's UI.

PROJECTS

PulsePoint | Flutter, Firebase, Google Maps, AI Matching

2023 – Present

- End-to-end blood bank and donor app with real-time alerts, nearby maps, and push notifications.
- Built gamification features, direct messaging, and AI donor matching.

FlareChat | Flutter, Firebase, Firestore, Notifications

2023

- 1:1 and group messaging app supporting media, notifications, and cloud sync.

Surf - Perplexity AI Clone | Next.js, Firebase, LangChain

2024

- AI-powered search interface mimicking Perplexity with real-time web scraping and citation rendering.

Qwix | React, Firebase

2023

- Web-based system to form communities with authentication and notifications.

PUBLICATIONS

Chethan Krishna, et al. "Grid Power 2.0: Artificial Intelligence (AI) and Internet of Things (IoT) Optimizations in Smart Power Grids"

- Published on *IEEE Xplore* [Link].

TECHNICAL SKILLS

Languages: Dart, Java, Python, C, C++, JavaScript, HTML/CSS, SQL

Frameworks: Flutter, Firebase, React

Tools: Git, VS Code, Android Studio, Xcode, Firebase CLI, Postman, Figma

Databases: Firestore

AI/ML: OpenAI API, watsonx, Python (pandas, NumPy)

ACHIEVEMENTS

Completed Android & iOS Development Certificate by Karan Bajaj

Certified in Generative AI by IBM

Top Participant at GDSC Hackathon (Google)

8.97 CGPA till 4th Semester