VIVEK TIWARI

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Education

Indian Institute of Information Technology, Bhagalpur 2021 − 2025
Bachelor of Technology in Computer Science *CGPA: 8.05*

Technical Skills

Core Frameworks: Flutter, Dart, Android (Kotlin/Java basics), iOS Deployment
State Management: Provider, Bloc (Cubit), GetX, Riverpod, ValueNotifiers
Backend Services: Firebase (Auth, Firestore, Remote Config, Analytics, Crashlytics), REST APIs
UI/UX Engineering: Material 3 Design, Cupertino Widgets, Custom Painters, Rive Animations, Figma
Tools & Architecture: Git/GitHub, Android Studio, VS Code Docker, Clean Architecture, MVVM, CI/CD

Experience

Chalhitsir (Startup) May 2024 − July 2024
Flutter Developer Intern *Remote*
- Architected and developed a scalable full-stack Flutter application from scratch, utilizing Firebase Authentication for secure and persistent user sessions.
- Integrated **MapMyIndia APIs** to engineer precise location-based services, enabling real-time tracking and geo-fencing capabilities within the app.
- Boosted application performance by refactoring legacy code and implementing lazy loading, resulting in a **20% reduction** in app build size and faster frame rendering.
- Collaborated closely with backend teams in an Agile environment to define JSON contracts and implement dynamic routing logic for seamless navigation.

Technical Projects

Naam Jaap - Spiritual Platform (Live on Play Store) | *Flutter, Firebase, i18n* **Sept 2025**
- Engineered a production-grade Flutter application serving thousands of global users, achieving a **99.9% crash-free rate** via Firebase Crashlytics monitoring.
- Designed an **Offline-First architecture** using Hive and Firestore persistence, ensuring seamless data availability even in low-network environments.
- Developed complex UI visualizations using **CustomPainter** to render the "Bodhi Tree" growth logic dynamically based on user progress.
- Implemented comprehensive localization (**i18n**) supporting 20+ languages to maximize global accessibility.
- Integrated Google AdMob for monetization and Firebase Remote Config for A/B testing feature rollouts without app updates.
- **Play Store Link:** play.google.com/store/apps/details?id=com.vivek.naamjaap

Social Bay - Real-time Chat Ecosystem | *Flutter, REST API, WebSocket* **Feb 2022**
- Built a high-performance chat application featuring Google Sign-In (OAuth 2.0) and instantaneous message synchronization.
- Developed a custom backend integration using **REST APIs** to trigger push notifications, alerting users of new messages in real-time.
- Implemented advanced media handling, including image compression and caching using **CachedNetworkImage**, to optimize bandwidth and scroll performance.
- Designed a robust CRUD system allowing users to edit, delete, and share messages, mirroring features of industry-standard chat applications.
- **GitHub Link:** github.com/vivekTiw120303/Social_Bay_ChatApp

Achievements

Solved **1000+ problems on LeetCode**, demonstrating exceptional problem-solving skills and algorithmic efficiency.

Successfully published and currently maintain **multiple applications** on the Google Play Store with active user bases.

Proficient in **Japanese** (Professional Working Proficiency), enabling potential collaboration with international teams.