

APRANSHU SINHA

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SUMMARY

Computer Science Engineering student specializing in AI/ML with hands-on experience in full-stack web and mobile application development. Proficient in Kotlin, C++, Python, and modern JavaScript frameworks. Passionate about building scalable, user-centric applications and leveraging AI to solve real-world problems. Seeking to contribute innovative solutions at Google.

EDUCATION

Marwadi University

Bachelor of Engineering in Computer Science & Engineering (AI/ML Specialization)

Rajkot, Gujarat

Jul 2025 – Apr 2029

- Relevant Coursework: Data Structures & Algorithms, Machine Learning, Computer Networks, Database Systems, Operating Systems

Kokilaben Dhirubhai Ambani Reliance Foundation School

Higher Secondary Education – Science & Technology Focus

India

2017 – 2025

- Strong foundation in Mathematics, Physics, and Computer Science with emphasis on analytical problem-solving

TECHNICAL SKILLS

Languages: Kotlin, C++, C, Python, JavaScript, TypeScript, HTML, CSS

Web Development: React.js, Next.js, Node.js, REST APIs, Responsive Design, SEO Optimization

Mobile Development: Android (Kotlin), Jetpack Compose, MVVM Architecture, Material Design

AI/ML: Machine Learning, TensorFlow, Data Analysis, Neural Networks

Tools & Platforms: Git, GitHub, VS Code, Android Studio, Firebase, Linux, Docker

PROJECTS

Nexus AI | React.js, Vite, JavaScript, PostgreSQL, REST APIs | 🐾 | Live

2025

- Built a full-stack AI chat platform with multi-model support (GPT-4, Gemini) and real-time streaming responses
- Implemented conversation management with PostgreSQL backend, including pinning, renaming, and chat history
- Developed visual flowchart builder for AI workflow design with drag-and-drop node manipulation
- Created customizable theming system with dark/light modes and dynamic color schemes
- Deployed on Vercel with optimized build pipeline achieving fast load times and seamless UX

TaskNudge | Kotlin, Jetpack Compose, Room, WorkManager, MVVM | 🐾

2025

- Built a production-ready Android task management app with Clean Architecture and MVVM pattern
- Implemented Room database with DAO pattern for persistent storage and real-time task synchronization
- Developed smart notification system using WorkManager with boot persistence and Android 13+ support
- Designed intuitive UI with Jetpack Compose, Material Design 3, and smooth completion animations

CERTIFICATIONS

Beginning C++ Game Programming – Game development fundamentals using C++

Programming using C++ – Advanced C++ concepts and best practices

C Programming & Computer Hardware/Software – Systems programming and hardware-software interaction