

# APRANSHU SINHA

Greater Ahmedabad Area, India

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## Education

### Marwadi University

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

July 2025 – April 2029

Rajkot, Gujarat

- Pursuing B.E. in CSE with specialization in Artificial Intelligence and Machine Learning
- Relevant Coursework: Data Structures, Algorithms, Machine Learning, Computer Networks, Database Systems

### Kokilaben Dhirubhai Ambani Reliance Foundation School

2017 – 2025

Higher Secondary Education

India

- Completed comprehensive education with focus on Science and Technology
- Developed strong foundation in Mathematics, Physics, and Computer Science

## Technical Skills

**Programming Languages:** Kotlin, C++, C, Python, JavaScript, HTML, CSS

**Mobile Development:** Android Development, Kotlin, Mobile Application Development, Responsive Design

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

**AI/ML Technologies:** Machine Learning Fundamentals, Data Analysis, TensorFlow Basics

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

**Soft Skills:** Problem Solving, Critical Thinking, Team Collaboration, Agile Methodologies

## Projects

### Portfolio Website | React.js, Next.js, CSS, JavaScript

2026

- Developed a modern, responsive portfolio website using React.js and Next.js framework
- Implemented dynamic theme switching and glassmorphism design patterns for premium aesthetics
- Built admin panel for content management, reducing update time by 80%
- Optimized for SEO and achieved 95+ Lighthouse performance score

### Mobile Application Development | Kotlin, Android Studio, Firebase

2025 – Present

- Designed and developed native Android applications using Kotlin and modern architecture patterns
- Implemented MVVM architecture and Jetpack components for scalable, maintainable code
- Integrated Firebase for real-time database, authentication, and cloud messaging
- Applied Material Design guidelines to create intuitive and accessible user interfaces

### C++ Game Development | C++, SFML, Game Logic

2024

- Built interactive 2D games using C++ and SFML graphics library
- Implemented game physics, collision detection, and sprite animation systems
- Applied object-oriented programming principles for modular and reusable game components

## Certifications

### Beginning C++ Game Programming

Verified

- Mastered game development fundamentals using C++ programming language

### Programming using C++

Verified

- Comprehensive certification covering advanced C++ programming concepts and best practices

### C Programming & Computer Hardware and Software

Verified

- Foundational certification in C programming and understanding of hardware-software interaction

## **Professional Summary**

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Passionate Computer Science Engineering student specializing in AI/ML with hands-on experience in Web and Mobile Application Development. Proficient in Kotlin, C++, and modern web technologies. Committed to leveraging technology to create impactful, user-centric applications. Strong foundation in responsive design, mobile development, and software engineering principles. Eager to contribute to innovative projects at Google and grow as a software engineer.

## **Interests & Activities**

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**Technical Interests:** Artificial Intelligence, Machine Learning, Open Source Contribution, Game Development

**Continuous Learning:** Actively exploring new technologies, frameworks, and development methodologies