Vipul Gupta

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Education

Vellore Institute of Technology   Oct 2022 – Oct 2026
Bachelor of Technology in Computer Science and Engineering   **CGPA: 8.56/10.0**
Specialization: Artificial Intelligence and Machine Learning

Technical Skills

Programming Languages: Java, Python, C++, Kotlin, SQL
Mobile Development: Android Studio, Jetpack Compose, Firebase, Material Design, REST API, Retrofit
Web Technologies: HTML, CSS, Bootstrap, Responsive Design, Progressive Web Apps
Development Tools: Git, GitHub, Android Studio

Projects

Shades - Anonymous Social Platform for VIT Bhopal [GitHub]
- Built anonymous social platform using Jetpack Compose and Firebase with 5+ core modules supporting 100+ users
- Implemented Firebase Authentication with college email verification and Firestore real-time database
- Created user system with random usernames and home feed using Material Design 3 across 8+ screens
- Developed post creation with 200-word limit supporting multimedia content, reducing load times by 40
- Built real-time chat system with individual chat rooms supporting Android 12+ with 100
- Applied repository pattern architecture organizing 15+ Kotlin files with Firebase Firestore integration

Rustic Bits College Portal - Full-Stack Web Application [Live Demo]
- Led 3-developer team through 48-hour hackathon using agile methodologies with sprint planning
- Delivered web application achieving high Google PageSpeed score through image compression
- Set up CI/CD pipeline with automated testing covering 85% code coverage using unit tests and deployment to production environment
- Established user authentication system supporting 200+ concurrent users with JWT security
- Created admin dashboard with data visualization displaying 15+ key metrics using Chart.js

Art Gallery App [GitHub]
- Browse and explore curated art collections with intuitive navigation and detailed artwork display
- Built comprehensive gallery interface with smooth scrolling performance and adaptive Material Design UI
- Developed using Kotlin, Jetpack Compose, and Material Design 3 for contemporary Android development
- Integrated voice navigation support for accessibility and dark mode theme with complete UI adaptation across all screens

Certifications

- **Java 17 Masterclass: Start Coding in 2024** - UDEMY
- **HTML, CSS, and JavaScript for Web Developers** - John Hopkins University
- **Android Development Fundamentals** - Google (Android Developers)

Achievements

Open Source Contributions: Successfully completed Hacktoberfest 2024 with 4+ contributions to community projects, including bug fixes, feature implementations, and documentation improvements

Co-Curricular

Content Co-Lead, BashCraft Club, VIT Bhopal   **10 months**
- Guided team to create event reports documenting outcomes, feedback, and results while writing promotional content for announcements and social media posts