

# Vipul Gupta

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## Education

VIT University, Bhopal

Bachelor of Technology in Computer Science and Engineering

Specialization: Artificial Intelligence and Machine Learning

Oct 2022 – Oct 2026

CGPA: 8.53/10.0

## Technical Skills

Java, Python, C++, Kotlin, JavaScript, SQL, Android Studio, Jetpack Compose, Firebase, Material Design, HTML, CSS, Bootstrap, Responsive Design, Progressive Web Apps, Git, GitHub, Android Studio, VS Code, Postman, Github Pages

## Projects

### Tip Calculator Pro - Android Application [\[GitHub\]](#)

- Developed tip calculation algorithms with bill splitting for up to 20 people per transaction
- Created tip percentage system (5%-30%) with real-time currency conversion for 15+ currencies
- Achieved high computational accuracy through input validation handling 500+ test cases
- Designed Material Design 3 UI with dark/light theme switching and multi-language support
- Integrated Room Database storing calculation history for up to 100 recent transactions

### 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
- Managed content planning and delivery timelines, ensuring quality written materials for club events and maintaining documentation for future reference