

# Vipul Gupta

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## Professional Summary

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Computer Science student with 2+ years of hands-on experience building mobile applications and web solutions. Led development teams and delivered applications with high computational accuracy. Experience in Android development, full-stack web technologies, and UI/UX design principles.

## Technical Skills

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**Programming Languages:** Java, Python, C++, Kotlin, JavaScript, SQL

**Mobile Development:** Android Studio, Jetpack Compose, Firebase, Material Design

**Web Technologies:** HTML, CSS, Bootstrap, Responsive Design, Progressive Web Apps, Figma

**Development Tools:** Git, GitHub, Android Studio, VS Code, Postman

## Projects

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### 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

### Tip Calculator App - Mobile Application [\[App Link\]](#)

- Calculate tipping amount with custom percentages (5%-30%) and bill amounts up to \$10,000
- Engineered real-time calculation with high accuracy and responsive Material Design UI following Android development best practices
- Developed using Kotlin, Jetpack Compose, and Material Design 3 for modern Android development
- Added bill splitting functionality and currency formatter supporting USD, EUR, and 12+ currencies

## Certifications

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

## Education

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VIT University, Bhopal

Bachelor of Technology in Computer Science and Engineering  
Specialization: Artificial Intelligence and Machine Learning

Oct 2022 – Oct 2026

CGPA: 8.47/10.0

## Achievements

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

## Languages and Interests

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**Languages:** English (Fluent), Hindi (Native), Spanish (Conversational)

**Interests:** Football strategy analysis, international cuisine experimentation, technical literature, contributing to open-source communities, and exploring emerging technologies in AI/ML space.