

# Jatin Agarwal

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## EDUCATION

### KIET Group of Institutions

Bachelor of Technology in Computer Science (Expected Graduation: August 2028)

Ghaziabad, Uttar Pradesh

September 2024 – Present

- Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Operating Systems, Database Design
- CPBYTE Coordinator: Leading technical events and fostering coding culture on campus

## EXPERIENCE

### Java Instructor

Self-employed

June 2024 – Present

Modinagar, Uttar Pradesh

- Provided technical mentorship to 15+ undergraduate students, simplifying complex concepts including Object-Oriented Programming, Recursion, and Data Structures
- Conducted code review sessions teaching best practices in code structuring, debugging techniques, and writing clean, maintainable code
- Developed comprehensive learning materials covering Java fundamentals through advanced topics, enhancing student understanding and retention

### Social Media Coordinator

CPBYTE - KIET Group of Institutions

September 2025 – Present

Modinagar, Uttar Pradesh

- Coordinated technical events and workshops, increasing student participation in coding activities by 35%
- Managed internal communication channels and documentation, improving team efficiency
- Applied leadership and project management skills to organize hackathons, coding competitions, and technical talks

## TECHNICAL SKILLS

**Programming Languages:** Java, C, Python, SQL

**Core Concepts:** Data Structures & Algorithms, Object-Oriented Programming, Operating Systems, DBMS

**Developer Tools:** Git, VS Code, IntelliJ IDEA,

**Problem Solving:** 400+ DSA problems solved across LeetCode, CodeChef, and HackerRank

**Soft Skills:** Leadership, Technical Communication, Community Management, Graphic Design

## PROJECTS

### Daily Expense Tracker App | Flutter, Dart, Local Storage

Ongoing

- Building a cross-platform mobile application to help users track daily expenses and manage personal budgets efficiently
- Implemented features to add, categorize, and delete expenses with automatic real-time total spending calculation
- Designed a clean and responsive user interface using Flutter widgets, focusing on smooth navigation and usability

### Enhanced Calculator | Java, Object-Oriented Programming

GitHub

- Developed a feature-rich calculator application in Java implementing core OOP principles including encapsulation, inheritance, and polymorphism
- Implemented advanced mathematical operations and error handling mechanisms to ensure robust user experience
- Designed modular architecture with clean code practices, making the codebase maintainable and extensible for future enhancements
- GitHub Repository: [github.com/jatin-agarwal-01/EnhancedCalculator](https://github.com/jatin-agarwal-01/EnhancedCalculator)

## ACHIEVEMENTS & LEADERSHIP

- **Problem Solving:** Solved 200+ algorithmic problems across LeetCode, CodeChef, and HackerRank with focus on time-space optimization
- **Leadership:** Promoted to Social Media Coordinator role at CPBYTE within 11 months of joining
- **Creative Edge:** Applied graphic design skills to create engaging technical content and event promotional materials
- **Community Impact:** Mentored peers in Java programming and DSA, contributing to campus coding culture