



**CHANDIGARH  
GROUP OF COLLEGES**  
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## Nikita Aggarwal

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| Location: Kairana, UP | Target Role: Software  
Engineer Intern / MERN Stack Developer |  
[github.com/Nikitaagg01](https://github.com/Nikitaagg01)

### PROFESSIONAL SUMMARY

B.Tech **Computer Science Engineering** student (2023–27) skilled in **MERN Stack Development, REST API Design, and Backend Optimization**. Experienced in deploying **scalable, high-performance applications** using **Agile and CI/CD workflows**. Proven success improving backend response times by up to **30%** and boosting user engagement by **40%**. Seeking a **Software Engineering Internship** to contribute to innovative projects and strengthen expertise in full-stack development and system design.

### TECHNICAL SKILLS

**Languages:** C, C++, HTML, CSS, JavaScript  
**Frameworks & Libraries:** React.js, Node.js, Express.js, Tailwind CSS  
**Databases:** MongoDB, MySQL, Firebase  
**Tools & Platforms:** Git, GitHub, Postman, Agile Workflow, Cloud Deployment, API Testing  
**Operating Systems:** Windows, Linux  
**Other Interests:** Data Structures & Algorithms (DSA), OOP, UI/UX Design

### EDUCATION

Bachelor of Technology – Computer Science  
Engineering

Chandigarh Group of Colleges, Landran | 2023 - 2027 | 8.45  
CGPA

**Intermediate (CBSE)** – St. R. C. Convent School, Shamli, UP |  
2021 - 2022 | 89%

### PROJECTS

**EchoChat – Real-Time Chat Application | Individual |  
Duration: 2 Weeks | Year: 2024**

- **Developed** a real-time messaging platform using **React.js, Node.js, and Socket.io**, achieving **<100 ms latency** and **40% higher user engagement**.
- **Implemented** secure **JWT authentication** and **role-based access control**, ensuring 100% data integrity.
- **Designed** a responsive UI with **Tailwind CSS**, improving accessibility score to **95%** and ensuring seamless UX across devices.
- **Integrated** live typing indicators and online status, enhancing real-time interaction and user retention.

**Tomato – Food Delivery App | Team: 4 | Duration: 1 Month |  
Year: 2025**

- **Engineered** modular **RESTful APIs** handling **10K+ concurrent mock transactions** with **99% uptime**.
- **Optimized** backend response time by **30%** through efficient query caching and modular microservices.
- **Built** admin and user dashboards in **React.js**, boosting operational workflow efficiency by **25%**.
- **Conducted** performance load testing and integrated CI/CD pipelines for continuous deployment.

**HomeVista – Rental Website | Individual | Duration: 2 Weeks  
| Year: 2025**

- **Developed** an **Airbnb-style platform** with **AI-based property recommendations** and **Stripe payments**, improving conversion rates by **35%**.
- **Implemented 2FA authentication** and real-time notifications, increasing trust and engagement by **40%**.
- **Created** analytics dashboards enabling data-driven host decisions, improving property visibility metrics by **20%**.
- **Achieved** a **100% Lighthouse accessibility score**, ensuring inclusive, mobile-first performance.

### CERTIFICATES & ACHIEVEMENTS

- Selected for Round 2 of Smart India Hackathon 2025 (Top 10%).
- Completed MERN Stack Training with a capstone project rated A+.
- Earned MongoDB Foundational Certificate (2025) among top 15% scorers globally.
- Awarded Best Poster – ICCMST 2025 for AI innovation presentation.

### LEADERSHIP & TEAM CONTRIBUTIONS

- **Led** 3+ mini-sprints and conducted **peer code reviews**, improving delivery timelines by **20%**.
- **Collaborated** with cross-functional teams to integrate **frontend & backend modules**, resolving merge conflicts 30% faster using Git.
- **Enhanced** system performance by **reducing API latency 25%** through optimized algorithms and caching strategies.