# Nikunj Agarwal

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## Experience

**Software Engineer - Intern**                                            *Gurugram, Haryana*
*Unthinkable Solutions (Daffodil Software)*                                 July 2024 – Mar 2025
- Contributed to Agile sprints with cross-functional teams, supporting planning, standups, and retrospectives.
- Built Android apps using Kotlin and XML, ensuring 100% crash-free performance and 99% code efficiency.
- Integrated 20+ APIs and libraries for real-time sync and background tasks, cutting data load time by 50%.
- Improved Chalo's ETIM machines by adding features, enhancing payment handling, and fixing performance bugs.

## Technical & Programming Skills

**Skills:** Data Structures and Algorithms (LeetCode ⬈: 500+ problems solved), Java Backend Development, Android Development, RESTful API Development, OOPs,
**Languages:** C++, C, Java, Kotlin, SQL
**Technologies:** Spring Boot, Hibernate/JPA, MySQL Workbench, Git

## Projects

**Event Management:** Kotlin, XML, Retrofit, Coroutines, LiveData, MVVM, Git                 *Github* ⬈
- **Integrated** real-time **event data** from external **APIs**, enabling users to explore **1,000+ live events** with **minimal latency** and **accurate updates**.
- **Ensured** a **99% modular** and **maintainable codebase** by clearly **separating concerns** between **UI, business logic, and data handling**, facilitating **scalability** and **testability**.
- **Utilized LiveData** and **ViewModel** to deliver **100% synchronized real-time updates** to the **UI**, enhancing **user engagement** and **data accuracy**.
- **Achieved 40% faster response times** by implementing **efficient asynchronous operations** for **API calls** and **database interactions**, without **blocking the user interface**.

**MailMate:** Java, Spring Boot, Kotlin, SQL, SMTP, JPA/Hibernate, Retrofit, Git             *Github* ⬈
- **Built** a **template-based email system** using **Java Spring Boot (backend)** and **Kotlin (frontend)** with RESTful APIs, achieving 99.9% uptime.
- Enable **CRUD** on email templates, optimizing queries to boost retrieval speed by 40% and reduce storage by 25%.
- **Integrated SMTP** for 99% email deliverability and 30% faster dispatch.
- **Applied MVC architecture** to improve code maintainability by 50% and reduce bug fix time by 35%.

## Education

**Pranveer Singh Institute of Technology**                                          2021 – 2025
*Bachelor of Technology (B.Tech), Computer Science*
- CGPA: 8.9/10.00

## Publications

**Neural Network and Back Propagation**                                             June 2022
Nikunj Agarwal
ICCMEA ⬈

## Soft Skills

- Effective communication • Team collaboration • Time management • Problem-solving • Adaptability