ABHAY SINGH

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SKILLS

- **Programming Languages:** Java, SQL, Kotlin (Basic)
- **Mobile Development:** Android Development, Jetpack Compose, Room Database
- **Backend Development:** Spring Boot (Basic)
- **Databases:** MySQL
- **Developer Tools:** Android Studio, IntelliJ IDEA, VS Code, Git, GitHub
- **Core Concepts:** Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP)

PROJECTS

Smart Email Reply (Spring Boot, Google Gemini)

- Developed a backend system using Spring Boot to integrate Google's Gemini API for **AI-powered email responses.**
- Implemented content processing to generate context-aware replies for improved productivity.
- Designed the system for compatibility with future integration into email clients.
  GitHub: github.com/theabhay1/Smart-Email-Reply

Sorting Visualizer (Java, JavaFX)

- Developed an interactive JavaFX application to visualize six major sorting algorithms (Bubble Sort, Selection Sort, Insertion Sort, Merge Sort, Quick Sort, Heap Sort).
- Implemented step-by-step animations to demonstrate algorithm behavior and efficiency.
- Designed a user-friendly interface to adjust input size, speed, and array randomness for better learning experience.
- Enhanced understanding of algorithm complexity through real-time comparisons of sorting techniques.
  GitHub: github.com/theabhay1/Sorting-Visualizer

File Manager App (Android, Kotlin, Jetpack Compose)

- Created an Android **file management application** using **MVVM** architecture and Jetpack components.
- Implemented device storage tracking via **StatFs API** and categorized media files using **MediaStore API**.
- Managed storage permissions with **MANAGE_EXTERNAL_STORAGE** for full file access.
  GitHub: github.com/theabhay1/file-hub

EDUCATION

- **Galgotias College of Engineering and Technology, Greater Noida**
  B.Tech in Computer Science | 2022 – 2026

- Class XII (CBSE) – 72% | Class X (CBSE) – 70%

ACHIEVEMENTS & ADDITIONAL INFORMATION

- Earned SQL 50 Badge on LeetCode.
- Solved more than 200 Data Structures and Algorithms problems on LeetCode.
- Achieved a typing speed of 95+ WPM, improving coding and documentation efficiency.