Yash Jaiswal

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Education

Master's of Technology	**NIT Jamshedpur**	*Jamshedpur, India*	**08/2024 - 08/2026**

- Major in **Data Science and Engineering**

Bachelor's of Technology	**IES IPS Academy**	*Indore, India*	**06/2023 - Graduated**

- Major in **Computer Science and Engineering**, CGPA – **8.1/10**

Professional Experience

Associate Software Engineer	**Clear Trail Technology**	**01/2023 – 10/2023**

- Contributed to projects involving **Computer Networking, Data Plane Development Kit, CPP, Bash Scripting, and Internet Packets.**
- Developed **bash script** to automatically collect system information during component crashes, facilitating smoother debugging and issue resolution.
- Enabled support for **Napatech Card** in the product component to capture traffic from Card.
- Designed 1 **component** to read and apply filters (IPv4, IPv6 with TCP and UDP) on **Napatech Card** at runtime.

Skills

- **Programming Languages** - Java | Python **(Competitive Programming)** | CPP
- **Libraries-** Numpy | Pandas | Matplotlib
- **Tools & OS** - Git | GitHub | Linux
- **Database System**– MySQL
- **Others** - Data Structures | Problem Solving | Machine Learning | OOPs concept | Computer Networking | IoT | Android

Achievements

- **Solved 1500+ DSA Problems** on different platform like **Leetcode, GFG, Coding Ninjas.**
- **Top 4%** in contest rating of **Leetcode (Knight).**   **Link**
- **Top 3%** in contests of **Coding Ninjas (Master).**   **Link**
- **Winner of Minor Project Competition** held in college.   **Link**
- **HackerRank** certified **Problem Solving** (Basic and Intermediate), **MySQL**(Basic and Intermediate).   **Link**
- **HackerRank** certified **Python**(Basic), **Java**(Basic), **JavaScript** (Basic and Intermediate).   **Link**

Certification Courses

- Supervised Machine Learning – DeepLearning.AI from **Coursera.**   **Link**
- Complete Data Science Bootcamp from **Udemy.**   **Link**
- Java for Everyone from **Udemy.**   **Link**

Projects

**Java	Android	Firebase**	**Location Tracker** *(July_2024)*	**App Link**

- An Android based project which can track live location of multiple users at a single time on single screen with good accuracy.
- Built a reliable app with Android Studio using **Singleton design patterns, multi-threading, and foreground services** for better performance and stability.
  - → **Software**: Android Studio   → **Database**: Google Firebase
  - → **Language**: Java

**IoT| Java	Android	Google_Firebase**	**Smart Home** *(Feb_2023-March_2023)*	**Github Link**

- An IoT and Android based project by which we can convert our home into smart home. Some functionalities are:
  - a. Control home appliances through mobile wirelessly.
  - b. Making our home fireproof by adding fire safety features.
  - c. Making our home thief proof by adding fingerprint lock and camera feature.
  - d. Automatically turn on light when found any motion.
- Created a complete Smart Home package using **Sensors, Micro-Controller and Android**.
  - → **Software:** Arduino IDE, Android Studio   → **Database**: Google Firebase
  - → **Hardware:** Node MCU, Relay Module, DHT11 Sensor, MQ2 Gas Sensor, PIR Sensor, r307 Fingerprint Sensor, ESP 32 Cam Module, Piezoelectric Vibration Sensor, Solenoid Lock
  - → **API Used**: Weather API, Telegram Bot API, Firebase API   → **Languages**: Java, Embedded-C

**Java	Android	SQLite**	**Easy Go** *(Nov_2021-Jan_2021)*

- Created an Android app for students to request permission to go out, with OTP verification by the hostel warden.
- Built using Android Studio with Java and XML, featuring smooth database connectivity for better user experience.
  - → **Software**: Android Studio   → **Database**: SQLite
  - → **Language**: Java