

# JAIN PASWAN



## Aspiring Software Development Engineer

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#) | [LeetCode](#)

### Professional Summary

Final-year B.Tech student in Computer Science and Business Systems with strong problem-solving skills and hands-on experience in backend and full-stack development. Proficient in Java (Spring Boot), REST API design, database integration, and scalable application development. Experienced in delivering production-ready solutions through internships, academic projects, and peer-reviewed research work.

### SKILLS

**Programming Languages:** Java (Primary), Python, C, JavaScript

**Backend & APIs:** Spring Boot, Node.js, Express.js, REST APIs, JWT Authentication

**Databases:** MySQL, MongoDB

**Web Technologies:** React.js, Next.js, Tailwind CSS, Bootstrap, HTML, CSS3

**Tools & Platforms:** Git, GitHub, VS Code, IntelliJ IDEA, Postman

**CS Fundamentals:** Data Structures & Algorithms, OOP, Operating Systems, DBMS, Computer Networks

**Practices:** Agile/Scrum, Debugging, Unit Testing, CI/CD (basic)

**Additional Competencies:** Problem-solving, Team collaboration, Adaptability

### EDUCATION

B.Tech – Computer Science and Business Systems

Gargi Memorial Institute of Technology | 2022 – 2026

CGPA:8.66/10

Class XII – Montfort Academy | 83.8%

Class X – Saint Christopher's Mission School | 89.2%

### PROJECTS

#### **Farm Intelligence: Crop Yield & Disease Detection**

Java, Spring Boot, FastAPI (Python), Machine Learning, React

- Designed a Java-based backend with Python ML microservices and REST APIs supporting web and Android clients.
- Built crop yield and disease prediction models achieving ~92% accuracy with real-time visualization.

#### **Online Job Portal**

Spring Boot, Spring Security, React, MySQL

- Developed a full-stack job portal with role-based access control using Spring Security.
- Implemented REST APIs for job posting, applications, and user management.

#### **Cross-Platform Mobile Application (In Progress)**

React Native

- Developing a cross-platform mobile application using React Native.
- Integrating backend APIs for authentication and dynamic content.

### EXPERIENCE

#### **Backend Developer Intern – Uphead Management Consulting**

- Developed RESTful APIs using Spring Boot following a layered architecture (Controller, Service, Repository).
- Integrated MySQL using JPA/Hibernate and supported deployment and maintenance of backend services.

#### **Full Stack Intern – AICTE**

- Built responsive web applications using React, Node.js, and MongoDB.
- Worked on frontend-backend integration and API-driven workflows.

### CERTIFICATIONS, TRAINING & ACHIEVEMENTS

HackerRank – Java (Basic)

Postman API Fundamentals – Student Expert

IBM Data Science & AI Fundamentals

NPTEL – Python Programming

**Industry Training** – Java & Spring Boot (College-sponsored, Hands-on)

**Industry Training** – Full Stack Web Development (MERN, HTML, CSS, JavaScript)

### RESEARCH & PUBLICATIONS

**Research Paper:** "Smart Tech-Cane Navigator (STCN) for the Physically Challenged" – CICBA 2024

**Published Book Chapter:** Advances in Hyperspectral Unmixing

### LANGUAGES

English | Hindi | Bengali