

Piyush Ghughu

Portfolio: <https://piyush-ghughu.github.io/Portfolio>
Github: <https://github.com/Piyush-Ghughu>
B.Tech (Computer Science Engineering) [2020-24]

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Location: Howrah, India

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EDUCATION

Dr. Sudhir Chandra Sur Institute of Technology & Sports Complex
Degree: Bachelor of Technology (B.Tech) – Computer Science Engineering (CSE)
University: Maulana Abul Kalam Azad University of Technology

July 2020 - June 2024

GPA: 8.71

Kolkata, India

B.K Paul's Institution High School

– 10th Standard (WBBSE) [2017-18]

Marks: 80.60%

– 12th Standard (WBCHSE) [2019-20]

Marks: 81.60%

SKILLS SUMMARY

- Languages: Java, SQL, HTML, CSS, JavaScript, C
- Frameworks: Servlet, Hibernate, Spring Boot, Bootstrap, JSP
- Database: MySQL
- Tools: Eclipse, IntelliJ IDEA, Postman, VS Studio Code, MySQL Workbench, STS, Github
- Spoken Languages: English (Fluent), Hindi (Intermediate), Bengali (Fluent)

INTERNSHIP & EXPERIENCE

Full Stack Java Development Intern at MBSir.in

July 2024-December 2024

- Developed expertise in core and advanced Java technologies, including Hibernate, JDBC, Servlets, Spring Boot, JSP, XML, and REST APIs.
- Designed and implemented full-stack applications with a focus on robust back-end architecture and dynamic front-end solutions.
- Built and deployed scalable, real-world projects, ensuring efficient performance and maintainability.

Former Intern at IBM (CSR Box) - Front-End Development

June 2023-August 2023

- Created responsive and user-friendly web designs using HTML, CSS, JavaScript, and Bootstrap.
- Applied responsive design principles to ensure compatibility across devices and platforms.
- Developed dynamic UI/UX components, emphasizing clean code, interactive features, and best practices in web development.

PROJECTS

JobConnect (A Spring Boot-Based Job Application Portal):

▪[Project link](#)

Developed a job application platform using Spring Boot with a multi-layered architecture (Entity, Service, Repository, Controller) and RESTful APIs for efficient back-end communication. Designed a responsive front-end with JSP, HTML, CSS, JavaScript, and Bootstrap. Implemented secure database interactions and role-based functionalities for Admin, Recruiter, and Candidate users, ensuring scalability and user-centricity.

HMS (Hospital Management System a java based Application)

▪[Project link](#)

Developed a Servlet and Hibernate-based hospital management system with separate portals for Admin, Doctor, and Patient. Implemented features like patient registration, doctor appointment scheduling, and role-based access, with custom configuration in the pom.xml for dependency management.

Linkup (Secure Encrypted Chat App with Multi-Features):

▪[Project link](#)

Developed a group project *Linkup*, a secure end-to-end encrypted chat application with features like video calls, audio calls, audio messages, and file sharing. Utilized Python Flask for backend development, with front-end built using Bootstrap, HTML, CSS, and JavaScript. Implemented encryption protocols including RSA, AES, and public/private key encryption, leveraging Socket.IO and WebRTC for real-time communication.

QR & Bar Code Generator:

▪[Project link](#)

A scalable and responsive QR & Bar Code Generator using HTML, CSS, and JavaScript. Integrated with REST APIs to process multiple data inputs and generate QR and bar codes dynamically.

PUBLICATION

Presented a research paper at the **ISACS** conference on an innovative project that leverages AI-assisted, fully encrypted communication, featuring integrated video call capabilities for enhanced security and real-time interaction.

Date: 13.11.2024