Piyush Ghughu

Portfolio: https://piyushghughu-portfolio.netlify.app
Github: github.com/Piyush-Ghughu
B.Tech (Computer Science Engineering) [2020-24]

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EDUCATION

Dr. Sudhir Chandra Sur Institute of Technology & Sports Complex — *July 2020 - June 2024*
Degree: Bachelor of Technology (B.Tech) – Computer Science Engineering (CSE) — *GPA: 8.45*
University: Maulana Abul Kalam Azad University of Technology — *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)

EXPERIENCE

Full Stack Java Development Intern at MBSir.in   *July 2024-Dec 2024*
— Learned core and advanced Java technologies, including Hibernate, JDBC, Servlet, Spring Boot, JSP, XML and REST API.
— Gained expertise in designing and developing full-stack applications with robust back-end and dynamic front-end solutions.
— Built and deployed various real-world projects, focusing on scalable and efficient solutions.

Former Intern at IBM (CSR Box) - Front-End Development   *June 2023-Auguest 2023*
— Gained hands-on experience in HTML, CSS, JavaScript, and Bootstrap, focusing on creating responsive and user-friendly designs.
— Learned responsive design principles and web development best practices, ensuring compatibility across multiple devices and platforms.
— Built a project showcasing dynamic UI/UX and functional web components, emphasizing clean code and interactive features.

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 REST ful APIs for efficient back-end communication. Designed a responsive front-end with JSP, HTML, CSS, JavaScript, and Bootstrap. Implemented secure atabase 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