

Piyush Yadav

E-mail: piyush.2214100591@muonline.edu.in GitHub: <https://github.com/Piyush2213>
LinkedIn: <https://www.linkedin.com/in/piyushyadav2213/>

Summary:

I have worked on several projects, including building web applications and solving real-world problems through programming. With solid foundation in programming and a commitment to learning new technologies, I am excited to start my career as a software developer.

Education:

Indian Institute of Technology, Patna
Master of Computer Application

Present

Manipal University, Jaipur, India (8.6 GPA)
Bachelor of Computer Applications (Computer Science)

Mar 2022 – June 2025

C.L Public School, Haryana, India (83%)
12th Standard (C.B.S.E)

May 2019 - May 2020

Projects:

E-Commerce: (Technologies: React, Spring Boot, Redis, MySQL, Docker)

Apr 2024 - Oct 2024

- **Developed** a fully functional online shopping platform allowing users to browse products, add items to their cart, and complete secure purchases.
- **Utilized Docker** to containerize the application and its dependencies, ensuring consistency across environments and simplifying deployment.
- **Deployed** the application on AWS using Docker containers for scalable, cloud-based infrastructure.
- Built a robust RESTful API with Spring Boot to manage user authentication and facilitate seamless communication between the frontend and backend.
- **Designed** an interactive and dynamic UI using React, leveraging reusable components to enhance user experience.
- **Integrated MySQL** to store user information, product data, and order history, enabling efficient data retrieval.
- **Implemented Redis** for caching frequently accessed data, resulting in improved response times and a faster user experience.
- **GitHub:** <https://github.com/Piyush2213/shop>

Chat Application: (Technologies: React, Spring Boot, MongoDB, WebSocket, Docker, AWS)

Dec 2024 -Dec 2024

- **Developed** a real-time chat app for creating and joining rooms, sending messages, and managing chat history.
- Built RESTful APIs with Spring Boot and utilized WebSocket for real-time communication.
- **Containerized** the app with Docker and deployed on AWS EC2 for scalable infrastructure.
- **Integrated MongoDB** for message storage and implemented a responsive UI with React.
- Integrated Sock-JS and STOMP for secure WebSocket connections.
- **GitHub:** <https://github.com/Piyush2213/chat-app>

GOT: (Mini-Version Control System)

- Created "Got," a Java-based mini-Git, to understand and implement core version control principles.
- Developed features for object creation and retrieval, content hashing, snapshot management through tree objects, and maintaining project history via commits.
- **GitHub:** <https://github.com/Piyush2213/gitCommands>

Technical Skills:

- **Languages:** Java, ReactJS, JavaScript, C/C++, HTML, CSS
- **Tools:** Docker, GitHub, Spring boot
- **Databases:** My SQL, MongoDB, Redis
- **Additional:** Elastic Search, Networking, Microservices, Oops, DSA, System Design, Kafka

Soft Skills:

- Highly energetic, empathetic, and driven to contribute in a collaborative, high-growth environment.
- Experience in technical roles with a focus on problem-solving.
- Quick to learn new tools and workflow.