ROHIT PATWA

Lucknow, Uttar Pradesh

📞 +91 9792430836 ✉ therohitpatwa@gmail.com 💼 LinkedIn ⦿ GitHub 🌐 Portfolio

About

Full-Stack developer skilled in building scalable web applications using Spring framework and React. Experienced in developing RESTful APIs, managing databases with MySQL, and deploying production ready apps.

Technical Skills

Programming Languages: C, Java
Backend : JDBC, Servlet, Spring Core, Spring Boot, Spring Security, Microservices
Forntend: HTML, CSS, JavaScript, React.js
Database: MySQL
Tools & Platforms: Maven, Git, GitHub, Linux, Docker, Vercel
Core Subject: Data Structures and Algorithms, Database Management, Computer Networks, Operating System

Projects

PixelNova - Async Image Processor ● Source Code ● Demo Video ● Blog   *July '25*

- This project is an image processing application built with Java and the JavaFX framework. At its core, it's a desktop tool that allows a user to apply various filters like greyscale, colortint etc. to a digital image.
- Uses asynchronous image processing and multithreading to enhance performance. It divides images into sections for parallel processing by an ExecutorService. Crucially, it employs thread-safe GUI updates by ensuring the JavaFX Application Thread is the sole entity modifying the UI, preventing conflicts and maintaining responsiveness.
- Designed with a modular architecture to allow easy integration and extension with new image filters.
- Skills acquired - Java, MultiThreading, Executer Service, JavaFx.

Multithreaded Web Server ● Source Code ● Server Performance Report   *September '24*

- Developed a multithreaded web server client-server communication model in Java capable of handling multiple client requests simultaneously using sockets and threads. where clients send requests, and the server responds with a message. Managed input/output streams and socket connections for communication.
- Utilized Java's `Runnable` and `Thread` classes to process multiple client connections concurrently, improving server scalability and efficiency.
- Conducted load testing using Apache JMeter, simulating multiple client requests approx 60000/min to measure the server's performance and identify bottlenecks (At intel i5 12 core CPU).
- Skills acquired - Java, MultiThreading, ThreadPool, Socket Programming.

Achievements and Certificates

- Solved 200+ DSA Questions at LeetCode and Coding Ninja .
- Java Full Stack Development Completion Certificate. Attached Certificate
- Participated in Galgotias University Hackathon 2025. Attached Certificate

Education

RR Institute Of Modern Technology, Lucknow   *Aug. 2022 – Present*
Bachelor of Technology in Computer Science   CGPA - 8.2

CSSIC, Siddharthnagar   *Aug. 2018 – June 2020*
Intermediate   Percentage - 65

SGIC, Siddharthnagar   *Aug. 2016 – June 2018*
High School   Percentage - 79