

RISHAB THAKUR

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SKILLS

- **Languages:** JavaScript, Java, C++, Python, SQL, Kotlin, XML
- **Databases:** PostgreSQL, MongoDB, Power BI
- **Frameworks & Libraries:** React.js, Node.js
- **Technical Skills:** DSA, Database Management Systems (DBMS), Problem-Solving
- **Soft Skills:** Problem-solving, Code optimization, Effective collaboration in development teams.

TECHNICAL EXPERIENCE

Full-Stack Developer (Freelance & Personal Projects) (2023 – Present)

- Built and deployed full-stack web applications using the MERN stack (MongoDB, Express, React, Node.js).
- Optimized database queries, reducing response times by 40% in high-traffic applications.
- Integrated REST APIs & third-party services, enhancing application functionality and user experience.

Summer Training in Data Structures & Algorithms – GeeksforGeeks 2024

- Gained expertise in sorting, searching, recursion, graphs, and dynamic programming.
- Solved 350+ coding problems on GeeksforGeeks, strengthening problem-solving skills.
- Implemented optimized algorithms in C++ for competitive programming challenges.

PROJECTS

NyayaFlow April 2025

- **Overview:** NyayaFlow is an Android application designed to streamline and digitalize court-related case information for users. It allows users to register, log in, and access details of legal cases in a structured and user-friendly manner.
- **Technologies Employed:** Kotlin, XML, Android SDK, ViewBinding, Fragments, Navigation Drawer

Automated Testing Suite for eCommerce Web App using Cypress April 2025

- **Overview:** Designed and implemented an automated testing framework for a React-based eCommerce application, focusing on both component-level and end-to-end testing using Cypress. Validated critical workflows such as login, product browsing, cart management, and checkout to ensure reliability and user satisfaction.
- **Technologies Employed:** Cypress, React.js, JavaScript, Node.js

QuizMaster – Intelligent Question Bank System January 2025

- **Overview:** Created a scalable MERN application designed for managing and searching a database containing over 10,000 questions, featuring efficient pagination.
- **Technologies Employed:** MongoDB, Express.js, React.js, Node.js

AI-Powered Tic Tac Toe using Minimax Algorithm June 2024

- **Overview:** A Tic Tac Toe game featuring an AI opponent that utilizes the Minimax algorithm to assess possible moves and select the most advantageous outcome. The AI guarantees optimal gameplay by analyzing all potential game states.
- **Technologies Employed:** Python, Minimax Algorithm (Data Structures and Algorithms)

CERTIFICATIONS

- **Smart India Hackathon 2024**
- **Hack the chain 2.0 2024**
- **Data Structures and Algorithms using C++ – GeeksforGeeks 2024**
- **Server-Side JavaScript with Node.js – Coursera 2023**
- **Build AI Apps with ChatGPT, DALL-E, and GPT-4 – Coursera 2023**

KEY ACHIEVEMENTS

- Designed and implemented 5+ full-stack applications, enhancing performance and user experience.
- Participated in 2+ national-level hackathons, gaining hands-on problem-solving experience.
- Consistently praised for strong communication and organizational skills in team environments.

EDUCATION

B.Tech. CSE (2022-2026)
Lovely Professional University, Phagwara, Punjab

Higher Secondary Certificate (HSC) 2020
Sacred Heart School, Lucknow

Secondary School Certificate (SSC) 2018
Sacred Heart School, Lucknow