RISHABH OJHA

📞 +91 7024974605 ✉ rishabhojha880@gmail.com 🔗 linkedin.com/in/rishabhojha22 🐙 github.com/rishabhojha22

EDUCATION

Vellore Institute of Technology	**Aug 2022 – May 2027**
Integrated Master of Technology in Computer Science and Engineering (CGPA: 9.21 / 10.00)	*Bhopal, Madhya Pradesh*
Government Model Higher Secondary School, Teonthar	**Apr 2021 – Mar 2022**
Senior Secondary School Certificate (Class XII) (Percentage: 96.4 / 100.00)	*Rewa, Madhya Pradesh*
Government Model Higher Secondary School, Teonthar	**Apr 2019 – Mar 2020**
High School Certificate (Class X) (Percentage: 98.0 / 100.00)	*Rewa, Madhya Pradesh*

TECHNICAL SKILLS

Languages: Java, JavaScript, C++, SQL, HTML, CSS
Web Development: React.js, Next.js, Node.js, Express.js, Django, Tailwind CSS, Bootstrap
Databases & Cloud: MongoDB, MySQL, AWS (EC2, S3), Mongodb-Atlas
Relevant Coursework: Data Structures & Algorithms, OOPs(Java), DBMS, Operating Systems, Computer Networks
Tools & Platforms: Git/GitHub, Postman, REST APIs, VS Code, Recon Tools, Burp Suite, VirtualBox, Kali Linux

PROJECTS

BaatCheet – AI powered Video Chat Platform | *React, Node.js, MongoDB Atlas, WebRTC* — 04/2025
- Built full-stack video chat app with WebRTC peer-to-peer streaming and Socket.io real-time signaling.
- Implemented AI conversation assistant with 8 categories and Google Gemini API for intelligent suggestions.
- Developed voice analysis system with real-time transcription and 1-10 communication scoring.
- Secured JWT authentication with bcryptjs across 10+ protected API endpoints.
- Designed MongoDB Atlas schema with 2+ collections for user management and conversation tracking.

SecurePrint – Secure Document Printing Service | *React, Node.js, MySQL, AES-256 Encryption* — 09/2025
- Built full-stack secure document platform with AES-256-CBC encryption and 4 REST APIs.
- Implemented one-time access system eliminating file duplication across 100+ test uploads.
- Secured document workflows with 24-hour auto-expiration and real-time cleanup procedures.
- Designed MySQL schema with indexed documents table supporting encrypted metadata storage.
- Developed secure viewer with print-only access and download prevention for 10MB+ files.

ShatRanj – Interactive Multilingual Chess Platform | *Next.js, TypeScript, Tailwind CSS, Chess.js* — 08/2024
- Built interactive chess platform with drag-and-drop mechanics using chess.js engine.
- Developed 60+ modular React components for scalable and maintainable frontend architecture.
- Implemented 12-language multilingual support with custom translation system.
- Engineered real-time move validation including castling, en passant, and checkmate detection.
- Created dynamic UI with particle animations and seamless theme switching.
- Added 15+ keyboard shortcuts and optimized responsive design for smooth gameplay experience.

ACHIEVEMENTS & RESPONSIBILITIES

- 400+ Algorithmic and Data Structure problems solved across platforms in Java, 5-star Java on HackerRank.
- Active member of Cyber Warrior Club, engaged in cybersecurity awareness, ethical hacking workshops, vulnerability assessments, CTF challenges, and collaborative security research projects.
- Semifinalist in TechFest Hackathon among 150+ teams.
- Semifinalist in Project Expo Industry Conclave.
- Got 10th rank in class-XII State Merit list & 3rd rank in Class X District Merit list.
- Got STARs Scholarship, Inspire Scholarship, Super-100 Scholorship.
- Hobbies - Gym, Cricket, Stock Market.
- Languages - English, Hindi.

CERTIFICATIONS

- Ethical Hacker — Cisco, May 2025
- AWS Technical Essentials — AWS, Sep 2025