RISHIT RANJAN

Phone: +91- 8434434945 | **Email:** rishitranjan131@gmail.com | **LinkedIn:** Rishit Ranjan (LinkedIn) | **GitHub:** Rishit-Ranjan (Github) | **HackerRank:** Rishit Ranjan - rishitranjan131 | HackerRank

EDUCATION

Vellore Institute of Technology (VIT)
B.Tech in Computer Science and Engineering   **CGPA**: 8.15/10.0   July 2022 – Present

TECHNICAL SKILL

Programming Languages: Java, Python, C++, JavaScript, HTML5, CSS3
Web Technologies and Databases: React, Node.js, Flask & REST APIs, MongoDB, Firebase, MySQL
Tools & Concepts: Git, CI/CD pipelines, OOP, DSA, Agile, AI Algorithm

EXPERIENCE

Full Stack Developer Intern | MERN stack   June 2024 – October 2024
Null Class

- Engineered a full-stack Q&A platform with React & Node.js, featuring advanced authentication, multi-language support (6 languages), and user tracking (IP logging and session history).
- Implemented secure RESTful APIs using JWT & MongoDB, with real-time voting, tagging, user reputation system, and responsive UI.
- Integrated react-i18next internationalization infrastructure supporting conditional authentication flows by language/device, with automated OTP delivery.

Web Developer Intern | HTML, CSS and JavaScript   June 2023 – July 2023
Internship Studio

- Developed a responsive E-commerce platform with 8+ product categories, 500+ concurrent users
- Implemented advanced search and order management; improving the conversion rate
- Optimized front-end performance (lazy loading, code splitting); reduced page load time by 25%

PROJECTS

EmotiTunes: Emotion-Based Music Playlist Recommender | React, Gemini API

- Architected real-time emotion detection system (90% accuracy) using Audio Emotion Recognition (AER)
- Integrate an intelligent playlist engine curating 10- songs personalized lists with genre diversity (MIR)
- Implemented error handling and offline detection; conducted testing across 10+ scenarios

ConnectSphere: Real-Time Social Network Platform | React, Firebase, Node.js, Web Crypto API, Cloudinary

- Engineered network platform with real-time feed supporting 100+ concurrent users; increased announcement reach
- Developed E2E encrypted messaging system with Web Crypto API; security for 1000+ conversations
- Optimized real-time data synchronization using WebSockets (Firebase) to reduce network latency and guarantee sub-second feed response times.

The Grey Ink: E-Library Website | HTML, CSS, JavaScript, Flask API, ML Model

- Led a 5-person team in developing a book recommendation system with 270,000+ books and 1.1M+ user ratings
- Engineered recommendation algorithm with 40% query performance improvement via NumPy and Pandas
- Implemented JWT authentication, trending algorithm, and advanced search

CERTIFICATIONS

- Java Development on Oracle Cloud (Oracle University, 2025)
- Software Engineer Intern (HackerRank, 2024)
- Bits and Bytes of Computer Networking (Coursera, 2023)

ACHIVEMENTS

- **Rank 10** – Graph Programming Camp (AlgoUniversity, 2025)
- **Finalist** – Hack-a-thon (Odoo, 2025)
- **Finalist** – Code Gladiators (TechGig, 2024)
- **Alpha** – Student Ambassador (Microsoft, 2023)