

# Rishit Ranjan

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## EDUCATION

### Vellore Institute of Technology (VIT)

Bachelor of Technology (B. Tech) Computer Science and Engineering    Current CGPA: 8.13

[July 2022 – Present]

### Himalayan International School, Patna

Class XII    Percentage: 80%

[May 2022]

### Gyan Niketan, Patna

Class X    Percentage: 90%

[May 2020]

## EXPERIENCE

### Full Stack Web Developer Intern at Null Class

[June 2024 - Oct 2024]

- Architected a scalable MERN stack platform modeled after Stack Overflow
- Implemented real-time notifications and a secure authentication system to improve user engagement
- Enhanced session management and multilingual support to help retain users

### Python Intern at LearnTricks Edutech

[Feb 2024 – Mar 2024]

- Developed a GUI-based Python calculator enabling users to perform arithmetic calculations.
- Built a programmable calculator add-on enhancing learning, aimed at supporting learners for programming practice.

### Web Developer Intern at Internship Studio

[Jun 2023 – July 2023]

- Engineered an interactive E-commerce platform with 3+ product categories and 5+ clothing lines
- Developed integrated cart, order management, and search functionality, enhancing the overall shopping experience.
- Improved mobile and web responsiveness and web performance for enhanced user retention.

## PROJECTS

### The Grey Ink (An E-Library Website) | Python, Flask, REST API, HTML, CSS, JavaScript.

- Back-end Development in a team building a book recommendation system with 10,000+ books over multiple categories.
- Created a Python-based recommendation engine leveraging collaborative filtering on 100+ user ratings for personalized suggestions.
- Enabled system availability and responsiveness through REST API, supporting potentially thousands of users accessing diverse book categories.

### AlgoViz. (Visualizing the Algorithm) | HTML, CSS, JavaScript, Django

- Collaborated in a team of 5 as a Front-end Developer for an interactive GUI tool for visualizing 5+ algorithms and 3+ data structures supporting enhanced algorithmic learning.
- Designed GUI elements that support learning and increase algorithmic understanding

### ConnectSphere (Social Networking System) | React + JavaScript, Firebase, local chatbot

- Designed a social networking platform supporting post sharing and image uploads within communities.
- Implemented real-time chat, follow, and private group features (up to 5-7 members) to encourage user interaction and media sharing.
- Integrated admin features and AI-powered moderation, streamlining moderation work-flow and reducing content violations.

## SKILLS

- **Coding Skills:** Java, Python
- **Technical Skills:** HTML, CSS, JavaScript, MATLAB, MS Office, MySQL, DSA, React, Node.js, DBMS, MongoDB
- **Soft Skills:** Effective Communication, Team Collaboration, Decision Making, Creative and Innovative, Organization, Leadership

## CERTIFICATIONS

- Java Development on Oracle Cloud Certification (Oracle, April 2025)
- Salesforce Developer Certification (Salesforce, April 2025)
- Cloud Computing (NPTEL, Apr 2024)
- Bits and Bytes of Computer Networking (Coursera, Dec 2023)
- MATLAB Onramp (Math Works, Sept 2022)

## AWARDS, ACHIEVEMENTS AND OTHER ENDEAVORS

- **C++ (3-star), Python (4-star), Java (3-star)** on HackerRank
- Code Gladiators Finalist (TechGig)
- Member, Microsoft Student Technical Club, VIT
- Ranked 8/40 in Code Garuda coding competition on HackerRank (Microsoft Club, VIT)
- Graded 10th in Graph Programming Camp (AlgoUniversity)
- OdoO Hack-a-thon finalists