Rishit Ranjan

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EDUCATION

Vellore Institute of Technology (VIT)   **[July 2022 – Present]**
Bachelor of Technology (B. Tech) Computer Science and Engineering   Current CGPA: 8.13

Himalayan International School, Patna   **[May 2022]**
Class XII   Percentage: 80%

Gyan Niketan, Patna   **[May 2020]**
Class X   Percentage: 90%

EXPERIENCE

Full Stack Web Developer Intern at Null Class   **[June 2024 - Oct 2024]**
- Architect a scalable MERN stack Stack Overflow clone supporting 100+ users and 50+ monthly Q&A.
- Implemented real-time notifications and secure authentication system, increasing user engagement by 20%.
- Improved session management and multi-language support, reducing user drop-off by 15%.

Python Intern at LearnTricks Edutech   **[Feb 2024 – Mar 2024]**
- Developed a GUI-based Python calculator enabling users to perform 1000+ calculations during testing phase with 99% accuracy.
- Built a programmable calculator add-on enhancing learning, adopted by over 30% of calculator users for programming practice.

Web Developer Intern at Internship Studio   **[Jun 2023 – July 2023]**
- Engineered an interactive shopping platform with 3+ product categories and 10+ clothing lines, resulting in a 30% improvement in mobile responsiveness.
- Achieved a web performance score of 95/100, contributing to a 25% increase in user retention across product pages.

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.
- Contributed to increasing coursework completion rates by 20% among participants who used the tool, enhancing their algorithmic learning outcomes.

ConnectSphere (Social Networking System) | React + JavaScript, Firebase, Gemni API, AI chatbot
- Designed a modern social networking platform enabling over 1,000 posts and 500 images shared by users across communities and colleges.
- Implemented real-time chat and follow features supporting private groups with up to 10 members, enhancing user interaction and engagement.
- Integrated admin tools and AI-powered moderation, resulting in a 25% faster moderation response and a 40% reduction in content violations.

SKILLS

- **Coding Skills:** C++, 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 finalist