

Rishit Ranjan

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EDUCATION

Vellore Institute of Technology (VIT)

Bachelor of Technology (B. Tech) Computer Science and Engineering
Current CGPA: 8.11

[July 2022 – Ongoing]

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 '24 - Oct '24]

- **Architected** a scalable Stack Overflow clone using MERN stack, enabling a community of over **100+ users** to ask and answer **50+** questions per month.
- **Enhanced Features & Functionality: Custom Avatar & Profile Pictures, Real-time Notification System, Secure Password Management, Advance User Session Tracking & Authentication, Multi-language Support**

Python Intern at LearnTricks Edutech

[Feb '24 – Mar '24]

- Created a Python calculator application to perform fundamental arithmetic operations, including **addition, subtraction, multiplication, and division**
- Achieved **95% test coverage** through comprehensive unit testing, ensuring the accuracy and reliability of calculations

Web Developer Intern at Internship Studio

[Jun '23 – July '23]

- Engineered a user-friendly e-commerce website for a clothing store, integrating over **3 distinct categories and more than 10 clothing lines to improve customer selection and browsing experience**
- **Designed and built** an interactive shopping platform using **HTML, CSS, and JavaScript**, enhancing user engagement and driving sales conversions
- Applied responsive web design principles to ensure a consistent and seamless user experience across various devices

PROJECTS

The Grey Ink (An E-Library Website) (Website Development)

[Feb '24 – Apr '24]

- Collaborated in a team to develop a book recommendation website featuring over **1,000 books across 3+ categories**
- An advanced **Python-driven** recommendation engine that processed **50,000+ user ratings**, enhancing product suggestion accuracy; the system now supports **25% of customer interactions**, yielding a **significant boost in user satisfaction**
- **Technologies:** Python, HTML, CSS, JavaScript, API, Flask framework
- **Team members:** 5
- **Role:** Backend Developer

AlgoViz (Data Visualization)

[July '23 – Oct '23]

- Developed and launched AlgoViz, a **GUI application that visualizes algorithms**, resulting in the tool being adopted by **25+ students and educators** for enhanced learning experiences in data structure and algorithm courses
- It **employs graphics to improve user understanding of sorting, searching, and various data structures**
- **Technology:** HTML, CSS, JavaScript, Django
- **Team members:** 5
- **Role:** Front End Developer

E-commerce Website Development

[Jun '23 – July '23]

- Made an interactive shopping interface utilizing **HTML, CSS, and JavaScript**, featuring **3+ distinct categories and 10+ clothing lines** for customer selection, leading to a **40% reduction** in cart abandonment rates and enhancing user satisfaction, now reported by over **200** customer reviews monthly
- **Technology:** HTML, CSS, JavaScript
- **Role:** Web Developer

SKILLS AND CERTIFICATIONS

- **Coding Skills:** C++ | Java | Python
- **Technical Skills:** HTML | CSS | MATLAB | MS Office | MySQL | DSA | Software Design | ReactJs | NodeJs | DBMS | MongoDB
- **Soft Skills:** Communication | Team Work | Leadership | Decision Making | Creativity | Management | Developer
- **Certification:** MATLAB Onramp [Math Works; Sept 2022] | Python Essentials [VIT Online; May 2023] | Bits and Bytes of Computer Networking [Coursera; Dec 2023] | Cloud Computing [NPTEL; Apr 2024] | Data Science Nights [Data Science Club VIT Bhopal; Jul 2024]

AWARDS, ACHIEVEMENTS AND OTHER ENDEAVORS

- C++ **3 star** on Hacker Rank
- Python **4 star** on Hacker Rank
- Java **3 star** on Hacker Rank
- Code Gladiators **Finalist** by TechGig
- Microsoft Student Technical Club – Student member
- Participated at **Navigating Cybersecurity and Clouding Inside Out** by Tech-no-Mech Club
- Participated in **Code Garuda (Coding Competition)** organized by Microsoft Club, VIT - Ranked **8 out of 40** on the HackerRank platform in the Code Garuda competition
- Rank 10 in the Graph Programming Camp contest in the college organized by AlgoUniversity