# Chowhan Vamshi Krishna

Bachelor of Technology
Computer Science and Technology
National Institute of Technology, Patna

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## EDUCATION

| Degree/Certificate | Institute/Board | CGPA | Year |
|---|---|---|---|
| B.Tech., CSE | National Institute of Technology, Patna | 6.87 | 2021-2025 |
| Senior Secondary | Sri Chaitanya (TSBIE) | 9.0 | 2021 |
| Secondary | Greenwood High School (CBSE) | 8.62 | 2019 |

## PROJECTS

- **Book Store Website** (MERN Stack)
  *Tools: MongoDB, ExpressJS, ReactJS, NodeJS, JWT, Tailwind CSS*                       [Ω]
  - Developed a full-stack, responsive web application for online book ordering with the MERN stack.
  - Implemented secure user authentication using JWT and built an admin panel for managing books, the shopping cart, and a favorites list.
  - Integrated RESTful APIs for efficient front-end and back-end communication.
  - Styled with Tailwind CSS for a modern and visually appealing interface.

- **Tasty Bites** (React)
  *Tools: ReactJS, Parcel, Tailwind CSS, Redux Toolkit, Jest*                           [Ω]
  - Developed a food delivery application using React and Swiggy's API.
  - Implemented a feature to fetch and display restaurants based on the user's current location.
  - Built a dynamic shopping cart with add-to-cart functionality using Redux Toolkit.
  - Enhanced performance and user experience by implementing Shimmer UI for loading states.
  - Styled the application with Tailwind CSS for a responsive and modern design.

- **DDoS Attack Detection in SDNs** (Machine Learning)
  *Tools: Machine Learning, Deep Learning*                                              [Ω]
  - Developed and trained multiple models to detect DDoS attacks in SDN environments.
  - Achieved 95 percent accuracy on the SDN-based IoT intrusion detection dataset.
  - Used LSTM, Bi-LSTM, CNN, ANN, SVM techniques to improve model performance.
  - Conducted a comparative study to evaluate model effectiveness using metrics such as accuracy, precision, recall and F1-score.

## TECHNICAL SKILLS AND INTERESTS

- **Programming Languages** C++, JavaScript, C, Python
- **Frameworks** ReactJS, ExpressJS, APIs
- **Developer Tools** GitHub                                                            ,
- **Soft Skills** Teamwork, Leadership
- **Coursework** Operating Systems, Data Structures, Analysis of Algorithms, Artificial Intelligence , Computer Networks Database Management Systems, Internet of Things, Machine Learning, Cloud Computing , Blockchain, Ethical Hacking
- **Areas of Interest** Web Development, Machine Learning

## ACHIEVEMENTS

- **Elite+Silver Medal** Ranked among top 6% in NPTEL Swayam course with 16,145 participants.
- **Geeks For Geeks** Solved 250 Problems
- **Coding Ninjas** Solved 150 Problems
- **Leetcode** Solved 250 problems

## POSITIONS OF RESPONSIBILITY

- **Member** Natvansh Club                                                              -
  Worked with a team of editors to create high-quality videos for the club

- **Member** Science and Environment Club                                               -
  Organized and conducted seminars on environmental topics.

## HOBBIES

Playing Sports , Singing , Reading