

EDUCATION

Vellore Institute of Technology

Bhopal, India

Bachelor of Technology in Computer Science and Engineering
(Artificial Intelligence and Machine Learning)

September 2021 - June 2025

CGPA : 8.15

TECHNICAL SKILLS

Programming Languages: C, C++, Java

Computer Science Fundamentals: Data Structures, Algorithms, Object-Oriented Design, Complexity Analysis

Web Development: React.js, Node.js, JavaScript, Bootstrap, Tailwind CSS

Databases: MySQL, MongoDB

Tools & Platforms: Git, GitHub, VS Code, Google Cloud, Postman

EXPERIENCE

MERN Full Stack

August 2023 - November 2023

Ethnus

Remote

- **Ethnus** is an education training company that provides hands-on learning in emerging technologies.
- As a MERN stack intern, I developed a full-stack blogging platform to manage content and users by building the **frontend** using **React.js and JavaScript**, integrating MongoDB for data management, creating RESTful APIs with Node.js, implementing Redux for scalable state handling, and **collaborating with designers and backend developers**, which resulted in a high-performance, responsive application with seamless user experience.

PROJECTS

AI SaaS Platform | *React.js, Next.js, Google-flan-T5*

September 2025 onwards

Ai-SaaS/vercel.app

- Collaborated in a team to build a secure AI SaaS platform integrating 5+ AI tools for text, music, code, and video generation, aiming to deliver a responsive and user-friendly experience.
- Designed and implemented secure **user authentication** and access control, **integrated Google Flan-T5** for text generation, and optimized front-end performance, resulting in enhanced platform security, faster response times, and improved usability.

Book Management System | *React.js, Google Books API, JavaScript*

April 2025 - June 2025

github.com/abhidhadixit/Books-Management

- Created a **React-based** Book Management web app integrated with the Google Books API to provide access to over 2 million books.
- Implemented real-time search with **dynamic filtering, pagination** up to 40 books per page, and a responsive **UI using React.js and Bootstrap**, improving usability, scalability, and cross-device compatibility.

LeafSpot: Leaf Disease Identifier | *Python, CNN, TensorFlow, Keras*

December 2024 - March 2025

- Built and optimized a **CNN-based Leaf Disease** Identifier using 3,000 annotated images, applying targeted data augmentation and hyperparameter tuning to improve accuracy and robustness.
- Integrated the model into a Flask-based mobile app with a user-friendly interface, **enabling farmers and agronomists to detect plant diseases** more accurately than manual inspection methods.

EXTRACURRICULAR

- **5-Star in C++**, HackerRank (2025): Earned a 5-star rating in C++, demonstrating strong coding proficiency and logical **problem-solving skills**.
- Solved **Coding Problems** (2024–2025): Built a strong foundation in **data structures and algorithms** through , consistent problem-solving on GeeksforGeeks and LeetCode.
- **Vice Head Girl**: Assisted the Head Girl in planning and executing school events, fostering leadership and teamwork skills.
- **District-Level Kabaddi Player**: Represented at district-level competitions, showcasing sportsmanship, discipline, and team collaboration.
- **Music Enthusiast**: Highly interested in playing the **harmonium**, actively engaging in musical performances and practice.

ADDITIONAL INFORMATION

- Language Proficiency: English, Hindi