

RITESH RAI

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EDUCATION

Vellore Institute of Technology

B.Tech in Computer Science and Engineering - CGPA: 8.41

India

Expected September 2025

TECHNICAL SKILLS

Languages: Java, Python, HTML, CSS, JavaScript, SQL

Frameworks: Node.js, Express.js

Technologies: MongoDB, MySQL, GitHub, Terminal

CourseWork: Data Structure and Algorithms, Operating System, Object-Oriented Programming, DataBase Management System, Computer Networks

PROJECTS

Krishi Care | *HTML, CSS, JavaScript, Node.js, MongoDB, Deep CNN*

September 2024 – Ongoing

- Developed an agricultural consultancy platform for Indian farmers using advanced technologies to improve crop productivity and optimize expenses.
- Built AI-driven solutions that improved farming efficiency for 500+ farmers, streamlining operations and increasing agricultural output. Introduced precision strategies that enhanced soil health and supported sustainable crop growth.

Belly Bites | *React Js , Node.Js , Express , MongoDB , Integrated payment system*

February 2024 – April 2024

- Architected a robust full-stack food delivery platform utilizing React.js, Node.js, Express, and MongoDB & integrated a secure payment gateway to facilitate smooth online transactions and enhance user experience. .
- Implemented effective data management solutions in the MERN stack, demonstrating proficiency in payment gateway integration. Engineered the system to efficiently handle daily transactions while ensuring scalability and operational reliability

Heart Disease Prediction | *Python, HTML, CSS, Machine Learning Classifiers*

December 2023 – August 2024

- Leveraged diverse machine learning models to analyze 1000+ data points, optimizing risk assessment, recommendations, and complementary care for health professionals and individuals. .
- Applied machine learning to develop diagnostic tools, enhancing accuracy in detecting diseases from medical images, improving early diagnosis, patient outcomes, and advancing medical technology.

Chain Analytics | *HTML, CSS, React.js, CoinGecko API*

September 2023 – October 2023

- Built a web app for real-time cryptocurrency tracking with graphical representations across four time frames. Integrated features to display ranks, prices, and responsive data updates, improving user experience and analysis.
- Optimized data fetching and currency switching using CoinGecko API, significantly improving user convenience.

LEADERSHIP EXPERIENCE

iOS Club

October 2022 – June 2024

Founder and Secretary

VIT Bhopal University

- * Led the iOS Club at VIT Bhopal University, recognized as a top club. Administered 50 members across 5 teams (Design, PR, Social Media, Photography, Content), overseeing leadership roles and team progress.
- * Governed and volunteered in VIT Bhopal's Advitya 2023 fest. Supervised events, ensuring smooth operations for 250 attendees and achieving 95% participant satisfaction.

ACHIEVEMENTS

- Successfully solved 300+ data structures and algorithms problems on Leetcode and GeeksforGeeks
- Gained certifications in Microsoft Azure ,
- Cricket Captain: Earned a Gold medal in an Inter School Competition Competing against 4 Top Teams In District