

ROMIT RAMAN

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Technical Skills

Languages: Java, Python, JavaScript

Backend: Node.js, Express.js, REST APIs, JWT Authentication

Databases: PostgreSQL, MongoDB, MySQL

ORM & API Tools: Sequelize ORM, Postman

Developer Tools: Git, GitHub, VS Code

Core Concepts: Data Structures & Algorithms, OOP, DBMS, MVC Architecture, Role-Based Access Control (RBAC)

Education

Vellore Institute of Technology, Vellore

Bachelor of Technology in Information Technology

2024 – Present

CGPA: 8.67

Delhi Public School, Ranchi

Senior Secondary School (Class XII)

2024

93.2%

St. Anthony's School, Ranchi

Secondary School (Class X)

2022

94.5%

Internship Experience

Software Development Intern

Purpuligo Technologies Private Limited

May 2026 – July 2026

Remote

- Successfully developed and delivered a full-stack CRM system to streamline customer management, workflow automation, and business operations.
- Designed and implemented scalable RESTful APIs using Node.js and Express.js for authentication, customer management, task assignment, activity tracking, and workflow automation.
- Integrated backend APIs with the React.js frontend, enabling authentication, customer management, task assignment, and workflow automation.
- Designed and optimized a PostgreSQL database schema with efficient relationships and CRUD operations to support scalable business workflows.
- Collaborated throughout the software development lifecycle including implementation, testing, deployment, and documentation.

Projects

Online Auction Platform | *React.js, Node.js, Express.js, MongoDB, Tailwind CSS, WebSockets*

GitHub

- Developed a full-stack auction platform enabling users to create listings and participate in real-time bidding.
- Implemented live auction synchronization and bid updates using WebSockets for real-time client-server communication.
- Built scalable RESTful APIs using Node.js and Express.js for authentication, bidding workflows, and secure data handling.
- Built responsive frontend dashboards using React.js and Tailwind CSS to enhance usability and workflow interaction.
- Architected MongoDB schemas and integrated CRUD operations for efficient auction and bid management.

Patent

A Condition-Aware Adaptive Machine Learning System for Autonomous Operation in Unstructured Outdoor Environments | *Published Patent*

Patent

- Co-inventor of a published patent under Vellore Institute of Technology focused on adaptive machine learning techniques for autonomous operation in unstructured outdoor environments.
- Developed concepts involving environmental degradation estimation, ML inference reliability analysis, and adaptive autonomous control systems.
- Worked on ideas related to sensor fusion, computer vision, LiDAR-based sensing, and reliability-driven adaptive frameworks for autonomous environments.

Achievements

- Secured 1st place in a Web3 innovation competition for presenting a decentralized Web3 transformation model for Ticketmaster focused on transparency, digital ownership, and secure ticketing mechanisms.

Coding Profiles

LeetCode: leetcode.com/u/uBNynMXBg5

Solved 150+ Data Structures and Algorithms problems covering arrays, linked lists, stacks, queues, trees, graphs, dynamic programming, and recursion.