

# M Rohit

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## Education

### ICFAITECH, ICFAI Foundation for Higher Education

Hyderabad, Telangana, India

- B. Tech in Artificial Intelligence and Data Science, CGPA: 8.84

07/2022 - 05/2026

### DAV Public School

Berhampur, Odisha, India

- Intermediate, Percentage: 93.6%
- Matriculation, Percentage: 96%

2019 - 2021

2018 - 2019

## Experience

### Social Summer of Code (SSOC)

#### Open-Source Contributor | SortVision (Web-based Sorting Algorithm Visualizer)

06/2025 – 08/2025

- **Developed Backend for Performance Data Collection:** Applied sound engineering principles to develop a backend API using Express.js to collect and store real-time performance data from 8 different sorting algorithms, enabling efficiency comparison and bottleneck identification.
- **Integrated MongoDB for Data Persistence:** Designed and configured MongoDB for efficient data persistence and retrieval of algorithm performance metrics, demonstrating creative engineering solutions for data management.
- **Enhanced Frontend-Backend Interaction:** Enhanced frontend-backend interaction to seamlessly integrate data capture from user interactions within the SortVision visualizer, indirectly addressing user experience.
- **Contributed to a High-Visibility Open-Source Project:** Had a significant pull request successfully merged into SortVision, showcasing adherence to strong collaboration and coding practices, indicative of applying feedback and best practices to improve technical solutions.

### CODEPLAYERS Business Systems Private Limited

#### Software Development Intern (Remote)

06/2024 - 07/2024

- **Upgraded Landing Page Functionality & Accessibility:** Improved the company's primary landing page, focusing on optimized user experience and adherence to web accessibility standards, resulting in better user engagement.
- **Designed Comprehensive Service Brochure:** Created a fully detailed, client-facing brochure of top 3 company services, effectively communicating value propositions to over 100 potential clients.
- **Contributed to Frontend Development of Infinity ERP:** Transformed and implemented key frontend features for the "Infinity ERP" application, improving user interface and overall application responsiveness.
- **Created MVP for Customer Grievance Redressal:** Engineered a MVP application for efficient customer grievance redressal management, streamlining the complaint resolution process and saving 10 hours of manual work.

## Projects

### Knowtify

06/2025 - 07/2025

Tech Stack: Next.js, React, AI SDK, Google Gemini API, shadcn/ui

[GitHub](#)

- Built an AI-powered Internal Docs Q&A Agent, demonstrating sound engineering principles to solve the complex problem of information retrieval from various document types (PDF/TXT/DOCX), leading to a 90% boost in productivity.
- Implemented Retrieval-Augmented Generation (RAG) architecture with Google Gemini API for advanced NLP and text generation, showcasing creative engineering in leveraging cutting-edge AI for problem-solving.
- Resolved critical errors and refined context retrieval via prompt engineering, showcasing strong troubleshooting and API integration in overcoming complex technical challenges.

### SortVision Open-Source Project

06/2024 - 07/2025

Tech Stack: Express.js, MongoDB, JavaScript

[GitHub](#)

- Developed a key feature for SortVision, an open-source web-based sorting algorithm visualizer, applying sound engineering principles to a complex visualization problem.
- Engineered a backend with Express.js and MongoDB to capture and store real-time algorithm performance data, demonstrating creative engineering to enable users to compare algorithm efficiency and identify performance bottlenecks of 8 algorithms.

## Awards and Achievements

### CEO and Business Head Letter of Appreciation

06/2024 - 07/2024

- Received a strong letter of appreciation from the CEO and Business Head of CODEPLAYERS Business Systems Pvt. Ltd. for exceptional performance and contributions during the SDE Internship.

### ICFAI Tech Scholarship

07/2022 - 05/2026

- Awarded Rs. 5,00,000 in tuition fee waivers for **academic excellence** in all semesters.

## Skills and Technologies

### Languages:

Java (Primary), Python, C

### Frameworks and Libraries:

Next.js, Node.js, React, Lucide React, Tailwind CSS, FAST APIs

### Tools and Platforms:

Git, GitHub, MongoDB, Google Cloud Platform

### Development Practices:

Agile Development, Unit Testing, Peer Code Reviews, Version Control

### Key Courses:

Data Structures and Algorithms (DSA), Operating Systems, Distributed Systems

### Soft Skills:

Problem Solving, Communication, Time Management, Reliability, Co-operation