

# ROHIT MATHI

9100684778 • Hyderabad, Telangana

[1739153rohitm@gmail.com](mailto:1739153rohitm@gmail.com) • [LinkedIn](#) • [GitHub](#)

## SUMMARY

Full-stack developer with experience in building scalable web applications and implementing AI-driven solutions using FastAPI and the MERN stack. Skilled in frontend development, modular backend architecture, and data structures and algorithms. Proficient in integrating AI workflows with technologies like ChromaDB, spaCy, Ollama, and Gemini API. Experienced in designing high-performance systems that combine traditional software engineering with cutting-edge AI technologies to deliver intelligent, seamless solutions.

## EDUCATION

**Bachelor's in Computer Science and Engineering**, VNR Vignana Jyothi Institute of Engineering & Technology 2022-2026  
Focus: Programming, Data Structures & Algorithms, Database Management, Operating systems GPA: **9.30**/10.0

**Intermediate**, Narayana Junior College 2020-2022  
Stream: Mathematics, Physics, Chemistry GPA: **9.86**/10.0

**Secondary School Certificate (SSC)**, St. Alphonsa's High School 2019-2020  
GPA: **10.0**/10.0

## SKILLS

**Programming Languages:** C, C++, Python, SQL, Java, JavaScript

**Web Development:** HTML, CSS, Tailwind CSS, shadcn, JavaScript, Express.js, ReactJS, Node.js, MongoDB, ChromaDB, FastAPI.

**Data Visualization:** Power BI, Matplotlib, Seaborn, Excel, Plotly

**Development Tools:** Git, GitHub, VSCode, Eclipse, Jupyter Notebook

**Soft skills:** Analytical thinking, Concise interaction, Tech Agility, and Teamwork

## PROJECTS

### Smart Placements Assistance



- **Tech Stack:** ReactJS, Node.js, FastAPI, ChromaDB, spaCy, Ollama.
- Developed Smart Placements Assistance, an AI-powered platform providing students with visualizations, company insights and a chatbot for answering placement-related queries.
- Boosted student engagement by 50%, cut info retrieval time by 40%, and provided 70% richer insights into companies and placements via a RAG-based chatbot with real-time ChromaDB integration.

### CodeCritic - Intelligent Code Review System



- **Tech Stack:** ReactJS, Tailwind CSS, Express.js, Node.js, Gemini API.
- Developed CodeCritic, an AI-powered code review system using Gemini API that analyzes and provides contextual feedback on code snippets.
- Improved code quality by 40%, reduced review time by 30%, and enhanced developer productivity with actionable suggestions and corrections.

### NaviGo - Ridehailing Platform



- **Tech Stack:** ReactJS, Tailwind CSS, Express.js, Node.js, MongoDB, Google Maps API.
- Developed NaviGo, an intelligent ride-hailing platform leveraging real-time geolocation, dynamic fare calculation, and efficient driver-rider matching for seamless urban mobility.

## ACHIEVEMENTS

- Led and represented the Data Visualization Workshop at Convergence 2024, delivering insights on effective data representation using PowerBI.
- Finalist in Ideathon conducted by the Dept. of CSE & CSBS, VNR VJIET.
- Semifinalist in CodeNox 2.0: OctCoder Reloaded, organized by Turing Hut, VNR VJIET.
- Participated in ICPC 2024, Turing Cup 2k24, Krithomedh Coding Contest, and multiple coding contests.

## CERTIFICATIONS

- **Data Structures and Algorithms** - SmartInterviews - Achieved a Global rank of 1591/37014
- **Programming and Data Structures through Python** - National Programme on Technology Enhanced Learning (NPTEL) - Achieved a Silver badge with a score of 76%.
- **Prompt Engineering in ChatGPT from Vanderbilt University** - Coursera
- **MERN Stack Development** - VNRVJIET