Mohit Roscen. M

B.Tech CSE Student - Aspiring Software Developer

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GitHub: **mohitroscen** — **Portfolio:** **mohitroscen.me**

Location: Thiruvannamalai

Profile

I'm Pre-final year Computer Science student at Manakula Vinayagar Institute of Technology with a proven track record in developing innovative solutions across AI, IoT, ML models and web technologies. Demonstrated excellence through multiple national and international competition wins, hands-on experience in creating real-world solutions though my ideas and team. Passionate about translating cutting-edge technology into practical applications that solve meaningful problems. Strong problem-solving abilities with a passion for leveraging technology and data-driven insights to create impactful, user-focused solutions

Education

Manakula Vinayagar Institute of Technology
B.Tech Information Technology   2023–2027

Bhagavan Hr. Sec. School
Higher Secondary   2021–2023

Internship Experience

APPSTARS Application Pvt Ltd   **Chennai**
Web Development Intern   *July 2025 – Sep 2025*

- Developed and deployed responsive web applications using HTML5, CSS3, JavaScript, and modern frameworks
- Collaborated with cross-functional teams to design user-friendly interfaces and implement frontend features
- Gained hands-on experience in full-stack development, debugging, and optimizing web performance
- Contributed to real-world projects, enhancing problem-solving skills and understanding of software development lifecycle

Sky Scholar   **Chennai**
Mobile App Development Intern   *Date – Date*

- Completed comprehensive training in Flutter framework and Dart programming language
- Built functional mobile applications with interactive UI components and state management
- Learned cross-platform app development principles and best practices for Android and iOS
- Developed strong foundation in mobile app architecture, widget implementation, and API integration

Technical Skills

Languages: Python, Java, C++

Frameworks: HTML5, CSS3, JavaScript, Bootstrap

Tools: VS Code, Trae AI, PyCharm, Figma, Arduino IDE, Git & GitHub,npm

Other: Video Editing, Piano Artist

Soft Skill

○ Teamwork and Collaboration
○ Work Ethic
○ Good Communication
○ Adaptabilit

Projects

Smart Traffic Light Management System: An intelligent traffic management system that dynamically adjusts signal timing based on the number of vehicles at each junction.
Helps reduce congestion, improve traffic flow efficiency, and enhance overall road safety, AI collects real-time data on traffic flow, speed, and density

AI Farming Drone: A drone-based system powered by Convolutional Neural Networks (CNN) to detect plant diseases in Real time, Helps farmers monitor crops effectively, improving yield and reducing losses through early detection.
AI-powered drones can cover hundreds of acres in a single flight

Medic Form Chatbot App: A chatbot application designed for booking doctor appointments and providing medical guidance, Reduces wait times and administrative workload through automated scheduling.
The chatbot interacts with patients in natural language, allowing them to check availability, schedule consultations, and receive preliminary advice on common health-related queries.

AI Weather Prediction System: An AI-driven model that analyzes historical disaster data to predict weather patterns and potential incidents, he system generates more accurate and timely predictions than traditional models.
Assists in disaster preparedness, agricultural planning, and environmental analysis, Machine learning enables pattern recognition and adaptive learning, improving accuracy over time as more data is collected.

Hydroenergen: A renewable energy project that converts the kinetic energy of flowing water into electricity.
Provides a sustainable and eco-friendly power source suitable for rural areas and small-scale energy needs, Unlike large hydroelectric dams, Hydroenergen is designed as a small-scale, decentralized system that can be deployed in rural or remote areas where traditional grid electricity may be unavailable or unreliable.

Languages

Tamil: Native
English: Fluent
Hindi: Fluent

Achievements

Web development: 1st Prize in front end development at Datanerdz.Ai
Hackathon: 3rd Prize in 24 hrs Hackathon at Arunai Engineering College
International project expo: 2nd prize at Anna University Tiruchirappalli
Project Expo: 1st Prize at Arunai Engineering college
Project Expo: 3rd Prize at Loyola College chennai
International project expo: 1st prize at Arunai Engineering College