

Rohith V S

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PROFILE

Final year Computer Science and Engineering student, Aspiring Data Analyst & Front-End Developer, passionate about combining data and design to create interactive, insight-driven solutions. Skilled in HTML, CSS, JavaScript, and ReactJS, with growing expertise in Python, SQL, Excel, and Power BI for data analytics and visualization. Experienced in building responsive web applications and analytical dashboards that transform data into actionable insights.

EDUCATION

B.Tech Computer Science and Engineering, 08/2023 – 05/2027
Karunya Institute of Technology and Sciences Coimbatore, India

PROFESSIONAL EXPERIENCE

App Development Intern, AK Info Park 06/2024 – 06/2024
Nagercoil

Designed and developed a registration app interface using Android Studio. Collaborated on API integration and optimized app lifecycle performance. Gained exposure to UI/UX design principles and agile development.

Network Technician Intern, Cisco Networking Academy 05/2025 – 07/2025

Worked on network configuration, routing, and troubleshooting using Packet Tracer simulations under the *Network Technician Career Path*. Gained hands-on experience with network setup and maintenance to ensure reliable connectivity.

Frontend Web Developer Trainee, KarunyaHacks 10/2024 – 01/2025
Coimbatore

Built and optimized responsive web applications using HTML, CSS, and JavaScript. Improved website functionality and design consistency across devices. Collaborated with developers to implement modern UI/UX practices and enhance performance.

SKILLS

Programming Language

Python

Web Development

HTML, CSS, ReactJS, Responsive Design

Data Analytics Tools

Excel, SQL, Power BI, Tableau

Version Control & Tools

Git, GitHub, VS Code

Soft Skills

Problem Solving, Analytical Thinking, Communication, Team Collaboration

Projects

Cloud-Native Collaborative Task Management Platform,

Technologies: Docker Kubernetes Jenkins GitHub Actions Terraform Ansible Git & GitHub React.js

Developed a cloud-native collaborative task management platform using microservices architecture with Docker and Kubernetes. Implemented CI/CD pipelines using Jenkins and GitHub Actions, automated infrastructure provisioning with Terraform, and configuration management with Ansible. Designed the system with scalability, self-healing, and monitoring capabilities to ensure reliable deployment and efficient team collaboration.

Web-Deployed XAI: Attention-Based Melanoma Detection,

Technologies: Python, Streamlit, ResNet50, CBAM, Grad-CAM, OpenCV, TensorFlow/PyTorch, NumPy

Developed an AI-powered web application for melanoma detection using ResNet50 and CBAM attention mechanisms with Explainable AI (Grad-CAM). Implemented image preprocessing, real-time prediction, and heatmap visualization through a Streamlit-based interface to improve transparency and early skin cancer diagnosis.

Restaurant Website, Technologies: HTML, CSS

Designed and developed a responsive restaurant website with navigation bar, gallery, menu sections, and modern UI design. Implemented responsive layouts and structured content using separate CSS styling.

Smart Dustbin using Arduino, Technologies: Arduino, Ultrasonic Sensor, Embedded C

Developed an IoT-based smart dustbin that automatically detects nearby objects and opens the lid using ultrasonic sensors. Improved hygiene and automation using sensor-based embedded system design.

VOLUNTERING & ACHIEVEMENT

Smart India Hackathon (SIH) 2025 Participant, Front-End Web Developer

Worked as a Front-End Web Developer in a collaborative team project focused on environmental DNA (eDNA) biodiversity analysis using Streamlit, Python, and Plotly. Contributed to dashboard development, UI design, and data visualization for real-time research insights.

Certificates

- AWS Cloud Practitioner Essentials (AWS)
- Oracle Cloud Infrastructure 2025 Certified Data Science Professional – Oracle
- Introduction to IoT – Cisco
- Oracle Data Platform 2025 Certified Foundations Associate – Oracle
- Python Programming with Red Hat – Red Hat
- Microsoft Certified: Azure Data Fundamentals – Microsoft
- Build Responsive Real-World Websites with HTML and CSS - Udemy