



A IRFAAN FAREED

B.TECH INFORMATION
TECHNOLOGY

CONTACT

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GitHub
github.com/irf-rox

Portfolio Website
https://irfaanfareed.vercel.app/

EDUCATION

➤ **2021- 2025**
**B.Tech Information
Technology**
Coimbatore Institute of
Technology
CGPA - 8.70

➤ **HSC (CBSE)**
Vidhya Niketan Public
School - Coimbatore
Passing year : 2021
Percentage : 92.8%

➤ **SSLC (CBSE)**
Vidhya Niketan Public School
- Coimbatore
Passing year : 2019
Percentage : 93.2%

CAREER OBJECTIVE

Passionate software developer driven to build AI-powered solutions that solve real-world problems and drive meaningful innovation. I thrive at the crossroads of creativity and code, constantly learning and experimenting to push boundaries. Focused on crafting intelligent, impactful technology that improves lives and shapes a smarter future.

SKILLS & INTERESTS

- Artificial Intelligence
- Generative AI
- Agentic AI
- Computer Vision
- Model Context Protocol (MCP)
- Full Stack Development

SOFTWARE SKILLSET

- Python
- Azure
- Git
- Flask
- RAG
- Next JS
- Autogen
- SQL
- Mongo DB

ACHIEVEMENTS

- **1st Place in Hackfest** August 2024
Translation Tool for Alternative Communicators
- **1st Place in Internal Hackathon
for Smart India Hackathon** September 2023
Project Dashboard for real-time construction
monitoring using IoT devices
- **1st Place in Internal Hackathon
for Smart India Hackathon** March 2023
Moving Vehicle Detection using RFID

PROJECTS

- **Optimizing Talent Acquisition: An LLM-
Based AI Agent for HR Automation** 2024-2025
Main Project Phase II
An AI-powered HR platform that automates job creation,
resume screening, interview scheduling, transcription, and
performance analysis using LLMs, streamlining the
recruitment process with minimal manual effort.



COURSES AND WORKSHOPS

- **Vision Bot Workshop**
Probe - NIT Trichy March 2023
- **Deep Caption AI Workshop**
Probe - NIT Trichy March 2023
- **C++ Diploma**
CSC Computer Academy
Grade : O Grade January 2022



PUBLICATIONS

IEEE XPLORE - Translation Tool for Alternative Communicators

5th International Conference on Electronics and Sustainable Communication Systems (ICESCS 2024)



LANGUAGES

- English
- Tamil

- **Transcription of music to chord notes using Deep Learning** 2024 -2025

Main Project Phase I

A deep learning-based system that captures live audio, converts it into spectrograms, and uses a trained CNN to classify and display guitar chords in real time for interactive music recognition..

- **Translation Tool for Alternative Communicators** 2023-2024

Mini Project

U.N.I.T.E. is an assistive system for real-time translation between sign language, text, speech, and Braille, enabling seamless communication. It bridges gaps for visually and hearing-impaired users using Python, computer vision, and an Arduino-based Braille output.

- **Moving Vehicle Detection using RFID** 2022-2023

Internal hackathon for Smart India Hackathon

The Moving Vehicle Detection System uses RFID to track vehicles by detecting unique tag IDs. It supports applications like smart tolls, automated parking, fleet management, and traffic monitoring.



WORK EXPERIENCE

Quadrasystems.net February 2025 - Present

AI Full Stack Development - Agentic AI powered Customer Support Agent

- Developed an intelligent support automation system using Microsoft Graph API for email ingestion, Azure OpenAI GPT-4-omni for intent classification, and Azure AI Search (semantic + vector) for FAQ matching.
- Integrated Microsoft Entra ID for dynamic contact lookup and FastAPI + Cosmos DB backend for ticket management. Built a React + Next.js dashboard to monitor, assign, and resolve tickets in real time.

Intellient

- Contributed as a key developer to Intellient, an AI-powered cognitive catalyst platform that enhances productivity through features like context-rich customer support, rapid issue resolution, knowledge base automation, document processing, task automation, and strategic operations insights.
- Leveraged expertise in Azure, AWS, AI integrations, and enterprise APIs to build scalable solutions enabling immediate impact, competitive AI-driven productivity, and future-proof operations for businesses.