



Shakthi Nandan

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PROFESSIONAL OBJECTIVE

Thriving in diverse environments using my skills driven by passion for both technology and creative expression, I am looking for an opportunity to work as a team player and leader in a reputed MNC

EDUCATION

B Tech Coimbatore Institute of Technology CGPA - 9.43	2022 – present Coimbatore
HSC SMBMP HSS 96.2%	2021 – 2022 Dindigul

PROFESSIONAL EXPERIENCE

Software Tester Akamai Technologies	06/2025 Bangalore
UI Testing & Automation - Python Playwright, Jenkins	
Java Developer Samsung Prism	04/2025 Online
On-device Malware Detection Pipeline - Tensorflow Lite, Java File Parsing	
Software Developer Lofty Agrotech	12/2024 Coimbatore
Plant Image Classification - MobileNetV2, OpenCV based ML Model	
Web Developer Universiti Sains Islam Malaysia	07/2024 Malaysia
USIM Clinical System - Flask, Sqlite based EHR	

SKILLS

Web Hosting <ul style="list-style-type: none">• Render• Python Anywhere• Streamlit• Vercel	Web Development <ul style="list-style-type: none">• HTML/CSS/JS• Flask• ReactJS - NodeJS• Flutter	Visualizations <ul style="list-style-type: none">• Python Matplotlib• PowerBI• Tableau• Blender 3D
DBMS <ul style="list-style-type: none">• Sqlite3• Mysql• MongoDB• Postgres - Supabase	Artificial Intelligence <ul style="list-style-type: none">• MCP Servers• LangChain• OpenCV• Ollama - OpenWebUI	Programming Languages <ul style="list-style-type: none">• Python• SQL• C• Java
App Testing <ul style="list-style-type: none">• Selenium• Python Playwright• Jenkins	Game Development <ul style="list-style-type: none">• Godot• Blender 3D Modelling• Unity3D	Interpersonal Skills <ul style="list-style-type: none">• Leadership• Team Management• Adaptability

INTERESTS

Creating digital tools for ease of life | Making Virtual Objects | Creating Game Worlds

PROJECTS

Portfolio Website [↗](#)

React, Node JS

Comprehensive Collection of my Personal and Professional Projects

360 VR College Tour & AR Navigation [↗](#)

A-Frame, Flask

Hosted a WebAR Simulation of the College Campus

Facial Emotion Recognition based Attendance Software [↗](#)

DeepStack, Docker, Flask.

Web-based attendance system using facial recognition

AISHA SEIR Covid Chatbot [↗](#)

Python, SQL, HTML5

A rule based chatbot made to answer queries on COVID 19 and generate visualizations

VR FPV Drone Simulation [↗](#)

AFRAME, Flask, ESP32

A WebVR-based drone simulation using A-Frame and ESP32 microcontroller

IOT Gauntlet [↗](#)

Arduino, Embedded C Programming

An Accessibility glove that enables remote access to a PC

CERTIFICATES

Python for Data Science [↗](#)

IBM

Python Basic [↗](#)

HackerRank

JavaScript [↗](#)

freeCodeCamp

SQL Basic [↗](#)

HackerRank

Business Intelligence & Analytics [↗](#)

Swayam - NPTEL

SQL and Relational Databases [↗](#)

IBM

PATENTS

IOT-Enabled Glove For Remote Device Control [↗](#)

01/2025

The present invention relates to an IoT-enabled glove, a wearable device for remote control of electronic systems using intuitive hand and finger gestures. The glove integrates a microcontroller with Bluetooth and Wi-Fi capabilities, infrared sensors, ultrasonic sensors, a gyroscope, an accelerometer, tactile push buttons, and an LCD display for real-time feedback.

Artificial Intelligence-Based Application For Automated Chatting On Susceptible Infected Recovered For Covid 19 [↗](#)

05/2023

Artificial Intelligence-based application on susceptible exposed infected recovered for COVID 19 contains information understanding module and action generating module.

POSITIONS OF RESPONSIBILITIES

Chief Editor of PIXELS - AI&DS Department Magazine [↗](#)

2022 – 2025

Released 4 Editions

GPTathon Event Organizer [↗](#)

2025 – 2025

Online + Offline Event on Unstop

IEEE Student Member

2024 – 2025

Participated in IEEE Events

AWARDS

IEEE Project Expo

2024

IEEE

1st Prize - VR College Demo

National Level Third Prize

2021

CSC Olympiad

English Olympiad

National Level First Prize

2020

CSC Olympiad

English Olympiad