

# HARSHITHA YJ

## Personal Details

### Phone

7892423667

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### LinkedIn

Harshitha Y.J

## Education

### B.E. in Information Science and Engineering

Malnad College Of Engineering-  
9.50(CGPA)

2022-2026

### 2nd PUC

Masters PU College-94.66%

2021-2022

### Matriculation

HKS International School-81.4%

2019-2020

## skills

- Python
- C
- Java
- HTML
- CSS
- SQL
- Django
- Graphic design and marketing collateral

## Projects

### ***CerviNet: Self-Supervised Hierarchical Attention Fusion for High Precision Cervical Cytology Classification using DL architecture***

2025

Researched and benchmarked 16 deep transfer learning models for cervical cancer detection, with VGG16 achieving 99.95% accuracy on SIPaKMeD dataset and ResNet50 achieving 95.10% on Herlev dataset. Designed and developed CerviNet web application frontend with user authentication and image upload capabilities, preparing infrastructure for ML model deployment.

### **Cloud-Based To-Do List**

2025

Developed a full-stack web application using HTML, CSS, and JavaScript with Firebase integration for real-time data storage and cloud deployment. Implemented CRUD operations with Firestore database and deployed the application using Firebase Hosting for scalable cloud accessibility.

### **Mood-Based Music Streaming Application**

2025

Developed a Java-based music streaming application where users select a mood from a predefined dropdown menu, and the system displays a corresponding playlist stored in the database. Currently working on future enhancements to improve user interaction and customization.

### **FactNet**

2024

Developed a blockchain-based misinformation detection platform using decentralized web scraping tools. Ensures news credibility by storing verified data on the Koi blockchain and utilizing a community voting mechanism for fact-checking.

### **Portfolio Website – Vita Versa**

2024

Created a responsive portfolio website to showcase achievements and skills. Implemented a user-friendly interface with smooth navigation across devices

### **Crypt Arcanum**

2024

It is a cybersecurity-based project developed during a Crackathon, featuring both encryption and decryption. It supports secure processing of voice, images, videos, and text using advanced cryptographic techniques. The project enhances data security while ensuring a user-friendly experience for encryption and decryption.

### **IoT – Automatic Gate Keeper**

2024

Developed an automated gate control system using IoT technology. Integrated sensors and a wireless module to detect individuals or vehicles and automatically operate the gate. Provides real-time status updates and enhances security.

### **IoT – Army Security Toll Gate**

2023

Designed a secure toll gate system for military checkpoints, using IoT sensors and authentication mechanisms for controlled access. Integrated remote monitoring and alert features for enhanced security.

## Hobbies

- Gardening
- Craft Works
- Cooking

## About Me

I am a motivated and determined individual who strives for perfection in my work. With a strong sense of punctuality and dedication, I consistently deliver quality results while maintaining a disciplined and goal-oriented approach.

## Personal Achievements

- Secured 4th place at IIT Bombay Techfest 2024, for developing Factnet, a blockchain-based misinformation detection platform.
- Academic Excellence: Maintained a CGPA of 9.5 with SGPA above 9.2 in all semesters, showcasing strong academic performance in Information Science and Engineering.
- KOII Web3 and AI Leadership Certification (KWALA): Earned certification as a KOII Hacker, strengthening expertise in blockchain technology.
- Smorphi Imaginary Robotics Hackathon: Successfully reached the goal with a time score of 00:47:385, gaining hands-on experience in robotics navigation and problem-solving.