# ISHA V RAO

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## Professional Summary

A proactive and driven computer science student eager to transition into the IT industry upon graduation. With a solid grasp of key programming languages, algorithms, and software development methodologies gained through coursework and personal projects, I am enthusiastic about applying my knowledge to real-world challenges. Committed to continuous learning and staying updated with emerging technologies, I thrive in dynamic and collaborative environments. Aspiring to contribute to innovative solutions and drive organizational success, I am poised to embark on a rewarding career journey in the IT sector.

## Skills

- Software Development: Python, C, Java
- Data Analytics: Tools and libraries for data analysis
- Algorithm Design: Basics of algorithms and data structures
- Web Development: HTML, CSS, JavaScript (fundamentals)
- Problem Solving: Analytical thinking to resolve complex issue
- Sql

## Education

**ICSE 10TH** – 2019
**Ryan International School**– Bangalore, KA

**PCMC- PU 12th** – 2021
**Excellent Moodubidiri**– Mudbidri, KA

- Secured 100 in PCMC in 12th Boards

**CSE- Btech** – 2025
**PES University** – Bengaluru, KA

## Projects

### Capstone: Advanced Multimodal System for Depression Detection and Suicide Prevention: Leveraging Facial Expression Analysis and Textual Data| (Curently working on)

Currently underway, the project focuses on creating an innovative multimodal system for early detection of depression and prevention of suicidal thoughts. By combining facial expression analysis and textual data processing techniques, the system aims to identify signs of depression and suicidal ideation in real-time.

Although still in development, progress has been made in implementing algorithms for facial expression analysis and textual data processing. Further refinement, validation, and integration of additional modalities are planned to enhance accuracy and effectiveness.

Ultimately, this project seeks to contribute to the advancement of mental health support systems and improve outcomes for individuals at risk.

### **Stock Market Prediction on kaggle**| Python

This project/hackathon involved analyzing a specific stock's performance to aid High Net-worth Individuals (HNIs) in optimizing investment decisions.

With a dual objective of accurately predicting closing prices and recommending Buy, Hold, or Sell strategies, we leveraged Symmetric Mean Absolute Percentage Error (SMAPE) for price accuracy evaluation and Accuracy (1 - Accuracy) for strategy accuracy assessment.

Employing advanced time series data analysis, alongside Python programming and libraries like NumPy and scikit-learn, we aimed to deliver actionable insights for maximizing returns and mitigating risks in the financial market.

### **Employee management system**| Sql, Python

The Employee Management System, developed using SQL and Python, aims to streamline employee administration tasks within organizations.

This includes attendance tracking, leave management, record-keeping, managerial oversight, and performance reviews, providing a comprehensive solution for managing employees efficiently within organizations.

The Employee Management System leverages Python for backend development, SQL for database management, and streamlit for the framework. This technology stack ensures efficiency, reliability, and a user-friendly interface.

### **Interactive Resume**| HTML, CSS, Javascript

The interactive resume, crafted with HTML, CSS, and JavaScript, serves to dynamically showcase professional credentials and skills.

It features an engaging layout with animations, hover effects, and interactive sections, ensuring viewer attention. Customizable sections allow users to tailor content to highlight their experience, education, and achievements, while a responsive design guarantees compatibility across devices. Integrated portfolio links and a contact form streamline communication and provide recruiters with easy access to relevant information.

This method ensures a visually appealing and effective representation of the candidate's qualifications, enhancing their prospects in the job market.