

VISHAL SHANKAR HANDIGUND

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OBJECTIVE

To leverage my technical skills and passion for innovation in a dynamic software development environment. Eager to contribute to impactful projects while continuously expanding my knowledge and advancing my career in the field of technology.

EDUCATION

Bachelor of Technology – Computer Science and Business Systems

Visvesvaraya Technological University, Belagavi | 2022 – 2025

CGPA: **8.27**

2nd PUC – Shri SAI PU Science College, Mudalagi | 2020 – 2021

Percentage: **80.60%**

SSLC – KHS Government Kannada Medium High School, Mudalagi | 2019

Percentage: **85.60%**

Technical Skills

Programming: Java, Python, OOPS, SQL

Web Development: HTML5, CSS3

DBMS: MySQL

Soft Skills:

- Problem Solving, Team Collaboration, Effective Communication
- Time Management, Leadership, Adaptability
- Attention to Detail, Creativity, Conflict Resolution, Mentoring

EXPERIENCE

RabBan Control Solution Pvt Ltd, Bengaluru | Feb 2025 – May 2025

- Worked as an **Embedded Systems Intern**, focusing on **Embedded C programming** for STM32 microcontrollers
- Worked on **BACnet/IP & MS/TP projects** for building automation
- Implemented **Modbus (RS-485), UART, SPI, and I²C** communication protocols
- Developed and debugged **embedded applications in C/Embedded C** using STM32CubeIDE

PROJECTS

Plant Disease Detection:

- Developed a **CNN-based plant disease detection system** using **TensorFlow, Python, and OpenCV** as part of a team project.
- Achieved **high accuracy in early disease identification**, helping farmers take **proactive crop management decisions** and increase agricultural productivity.

- Key Skills: **Deep Learning, Computer Vision, TensorFlow, Python, Image Processing, Team Leadership.**

Real-Time Image Detection Using Python

- Built a **mini-project** for **real-time object detection and classification** using **OpenCV, TensorFlow, and pre-trained models.**
- Optimized detection pipeline for **speed and accuracy** in live video streams.
- Key Skills: **Python, OpenCV, TensorFlow, Object Detection, Real-Time Processing, Algorithm Optimization.**

BUS Database Management System:

- A Bus Database Management System project involves developing a software application to manage bus operations, including schedules, routes, ticket bookings, and maintenance records. It ensures efficient handling of data related to bus fleets, drivers, and passengers.
- Defined the database using **MySQL.**