

# SUSHIL KUMAR M

+91-8217015846 | [sushilkumarm2398@gmail.com](mailto:sushilkumarm2398@gmail.com) | [PORTFOLIO LINK](#) | [GITHUB LINK](#)

## SUMMARY

Self-motivated Information Science Engineer with solid skills in Python, C++, and Java. Strong foundation in Data Structures & Algorithms and full-stack development. Experienced in machine learning, web development, and database management. Passionate about building scalable, efficient solutions and continuously learning cutting-edge technologies.

## EDUCATION

1 Visvesvaraya Technological University

Bangalore, India

- **Bachelor of Engineering** in Information Science and Engineering - 8.12 CGPA

2023-2025

2 PVP Polytechnic

Bangalore, India

- **Diploma** In Electronics and Communication Engineering - 74%

2019-2022

## SKILLS

- **Technical:** PYTHON , C Programming , C++ , JAVA.
- **Database:** MySQL.
- **Web Technologies:** HTML5, CSS3, BOOTSTRAP ,JAVA SCRIPT
- **Core Concepts:** Data Structures and Algorithms (DSA) ,Object-Oriented Programming(OOP), Software Development Life Cycle (SDLC).
- **Machine Learning:** NUMPY , PANDAS.
- **Tools:** GIT , Visual-Code .

## CERTIFICATIONS

- **PYTHON**-Machine Learning Fundamentals
- **SQL** - Oracle Academy Corporation Certificate
- **WEB** - Dev-Full Stack Developer Certificate
- **GEN AI** - GEN AI Certification by Microsoft and LinkedIn

## EXPERIENCE

Rapsol Technologies

Bangalore, India

**Software Developer Intern**

09/24– 01/25

- Developed ML models using Decision Trees, SVM, and KNN to solve real-world classification problems
- Achieved up to **78% accuracy** by optimizing model parameters through cross-validation increasing the productivity
- Cleaned and preprocessed large datasets using Python, Pandas, and NumPy, demonstrating data-driven decision-making.
- Gained end-to-end experience in the ML lifecycle, emphasizing adaptability and self-learning.

Varcons Technologies

Bangalore, India

**Web Developer Intern**

10 /23 – 12/23

- Built a full-stack **Cryptocurrency Investment Dashboard web template** based on client specifications.
- Designed responsive and interactive web pages using **HTML, CSS, JavaScript, and Bootstrap**.
- Implemented user-friendly UI components to enhance navigation and overall UX.

## PROJECTS

**Personal AI Voice Assistant**

**Role:** Developer / Project Lead

**Technologies:** Python, NLP, Speech Recognition, Text-to-Speech, Google Cloud API, OpenAI API

- Built an AI-powered voice assistant using NLP and Speech Recognition, improving command accuracy by **85%** through continuous learning from user interactions.
- Integrated APIs to fetch real-time data such as weather updates, news, and more.
- Enabled learning from user interactions to enhance response accuracy and personalization.

### Face Recognition-Based Attendance Management System [LINK](#)

**Role:** Full-Stack Developer |

**Technologies:** Python, OpenCV, Tkinter, Pandas, NumPy, CSV

- Designed and implemented a GUI-based face recognition attendance system using OpenCV and Haar cascades for real-time face detection and recognition
- Enabled automated attendance logging by capturing and verifying faces, storing data in structured CSV files
- Achieved 90%+ face recognition accuracy under varying lighting conditions through optimized dataset training.
- Built interactive front-end using Tkinter with modules for student registration, image capture, model training, and attendance recording.

### Network Intrusion Detection System (NIDS) [LINK](#)

**Role:** Developer / Security Analyst

**Technologies:** Python, Pandas, Machine Learning, Data Analysis

- Developed a machine learning-based NIDS to detect suspicious network traffic and potential threats.
- Trained models to classify attacks such as DoS and unauthorized access with **86% improved accuracy**.
- Analyzed and visualized traffic patterns for real-time monitoring and intrusion detection.
- Implemented alert mechanisms to notify administrators of detected threats.
- Enhanced system reliability through continuous data refinement and model tuning.

### LANGUAGES

- **ENGLISH**
- **KANNADA**
- **HINDI**