

SUSHIL KUMAR M

+91-8217015846 | sushilkumarm2398@gmail.com | www.linkedin.com/in/sushil-kumar-m-601245252

SUMMARY

Enthusiastic and detail-oriented Computer Science graduate with strong programming skills in Python, C++, Java, and a solid foundation in Data Structures and Algorithms. Proficient in full-stack development and database management using MySQL, HTML/CSS, Bootstrap, and Python libraries like NumPy and Pandas.

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.
- **Core Concepts:** Data Structures and Algorithms (DSA) , Object-Oriented Programming(OOP).
- **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

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.
- Applied feature engineering techniques to boost model performance and reduce noise.
- 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.
- Completed the project on time, exceeding performance expectations from mentors and the client.

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.
- Implemented NLP to understand user intent and perform tasks like reminders and information retrieval.
- 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.

Network Intrusion Detection System (NIDS)

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**