

# SUDHARSHAN HEGDE

UVCE, Bangalore | 8951433624 | sudharshanhegde46@gmail.com | [Portfolio](#) | [GitHub](#) | [LinkedIn Profile](#)

## PROFESSIONAL SUMMARY

Aspiring Software Engineer with strong foundation in C,C++,Python, currently pursuing a B.Tech in Computer Science and Engineering at UVCE. Passionate about problem solving, algorithms, and backend development ,with hands on experience in SQL, Linux and web technologies. Actively enhancing skills through daily DSA practice and Backend Development . Enthusiastic about learning new technologies and eager to contribute to innovative software solutions.

## SKILLS

**Programming Languages:** C, C++ , Python , React , Java

**Software Development :** Object Oriented programming, Data Structure and Algorithms.

**Database:** MySQL, MongoDB

**Operating System :** Linux(Ubuntu) , Shell Scripting , System Calls.

## EDUCATION

**University of Visvesvaraya College Of Engineering , Bangalore**

2022-Present

**Computer Science and Engineering (6th Semester, Ongoing)**

**Related Coursework :** Data Structure and algorithms, object oriented programming, Operating System, Computer Networks, Database and management Systems, Mathematics and Problem Solving.

**GPA:** 9.0 / 10 (up to V Sem)

## PROJECTS

### ART GALLERY APPLICATION

Feb 2025 - April 2025

- Designed and developed a full-stack Art Gallery web application using React, TypeScript, Flask (Python), and MySQL to manage and showcase digital artworks.
- Implemented key features including secure user authentication, artwork upload functionality, and dynamic gallery browsing with responsive UI.
- Optimized frontend-backend integration for seamless user experience and maintained clean, scalable codebase using modular architecture and RESTful APIs.

### RESUME ANALYZER

March 2025 - May 2025

- Built an intelligent Resume Analyzer web application using Python, Flask, and NLP techniques to extract and evaluate resume content from PDF files.
- Integrated entity recognition and skill-matching algorithms to identify technical skills and compare them against target job descriptions.
- Designed a user-friendly interface for real-time feedback and resume editing, enabling personalized suggestions for improved job alignment.

### SECURE VAULT

June 2025

- Built a secure file-sharing system with AES + RSA encryption and user access control.
- Used facial data to generate key pairs; embedded AES keys via steganography.
- Integrated Firebase for storing encrypted files, keys, and user info.
- Enabled file encryption based on selected recipients using their public keys.
- Ensured only intended users can decrypt files using their private keys.

## TRAINING AND EXPERIENCE

### Quantech Origin Intern (soft Skills)

January 2024

Completed a structured soft skills training program covering communication, teamwork and presentation skills.

### Campus Champ

December 2024

Developed problem-solving and aptitude skills through intensive training. Gained exposure to technical concepts such as docker, AWS and cloud computing essentials.