

MANJULA VANI K

INFORMATION SCIENCE STUDENT

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📍 Uttarahalli, Bengaluru



PROFILE

Passionate Information Science Student, possessing a solid foundation in software engineering principles, development tools and team collaboration. Seeking to work in a creative and challenging environment where I can constantly learn and improve my technical and analytical abilities while contributing to innovative projects.

EDUCATION

Bachelor of Engineering – Information Science, JSS Academy of Technical Education Bengaluru | VTU
2022 – Present | CGPA: 9.31 / 10

PUC (XII Grade), Shri Kumarans Composite PU College, Bengaluru
2020 - 2022 | Percentage : 91.3%

SSLC (X Grade), Prarthana school, Bengaluru
2019 - 2020 | Percentage : 89.6%

PROJECTS

Steganography Tool with Key-Based Encryption (Group Project)

Python, Pillow, Fernet, Tkinter, Base64

- Collaborated in a 4-member team to build a tool for secure message embedding in media files (images/audio/video).
- Implemented data security techniques with Fernet library to ensure confidentiality.
- Designed a user-friendly GUI using Tkinter, enhancing user interaction and simplifying encryption/decryption operations..

Gesture-Controlled Keyboard Automation System (Group Project)

Python, OpenCV, Mediapipe, PyAutoGUI

- Developed a real-time application that performs mouse and keyboard operations based on hand gestures.
- Used Mediapipe and OpenCV for gesture detection via webcam input.
- Integrated controls for media players (volume, playback) to enhance interactivity.

Diet Recommender Chatbot

HTML, CSS, JavaScript, Google AI Studio, Gemini API

- Built an AI-powered diet recommendation system using the Gemini API to provide personalized dietary suggestions based on user preferences and restrictions.
- Used Gemini API to generate AI-driven responses and improve conversation flow.
- Designed a responsive front-end interface to optimize user engagement.

TECHNICAL SKILLS

- Languages:** C, C++, Java, HTML, CSS, JavaScript, Python
- APIs & Platforms:** Gemini API, Git, Google Cloud (basic)
- Data Visualization & Development environments:** Tableau, PowerBI, Jupyter Notebook, VScode
- Databases:** SQL

INTERNSHIPS & CERTIFICATIONS

- Pragati – Path to Future (Cohort 4) – Infosys Springboard** | [January 2025 – Present]

Part of a career-readiness initiative program for women in technology that is focused on personal development, effective communication, and professional growth

- Web Development Basics Certification – Infosys Springboard** | [August, 2024]

Gained foundational skills in creating responsive and interactive web pages through hands-on labs and coding exercises.

- Strategy Formulation and Data Visualization Certification – IIT Madras** | [July, 2023]

Gained practical experience of analyzing datasets and presented strategic insights through compelling dashboards and visual reports using Tableau.

EXTRA CURRICULARS

- Active NSS Volunteer** | Involved in community service, awareness programs, and social impact initiatives at college
- Consistently participate in workshops and interactive sessions to deepen practical understanding