

# Swaroop

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## PROFILE

Computer Science and Data Science undergraduate with foundational knowledge in Python, web development, and data science. Experienced in projects involving fraud detection, network security, and management systems. Passionate about exploring emerging technologies and continuously enhancing technical skills.

## EDUCATION

### Sahyadri College of Engineering and Management, Adyar, Mangalore

Bachelor of Engineering in Computer Science (Data Science)  
CGPA: 8.58

2022–2026

### Viveka Pre University College, Kota, Udupi

State Board – PCMB: 87.83%

2020–2022

### Government High School, Brahmavara, Udupi

State Board – SSLC: 89.92%

2017–2020

## ACHIEVEMENTS

### Social Innovation Project

2022–2023

- Completed a year-long program focused on innovative solutions to social issues.
- Demonstrated good performance in project-based learning and community-focused activities.
- Gained practical experience in applying design thinking and innovation in real-world scenarios. [Link](#)

### Full Stack Development (MERN STACK with Bootstrap)

April 2024–July 2024

- Successfully completed a Full Stack Development (MERN Stack with Bootstrap) organized by Technical Career Education in collaboration with Sahyadri College of Engineering & Management, demonstrating Good performance. [Link](#)

## PROJECTS

- Digital Beedi Branch Management System** – Python, Flask, HTML, SQL, Bootstrap, REST APIs (Developed a Digital Beedi Branch Management System that automates attendance, production tracking, wage calculation, and inventory management with a user-friendly interface for low-literacy users). [Link](#)
- Credit Card Fraud Detection** – Python, Flask, HTML, CSS, ML Algorithm (Fraud Detection using Transaction file). [Link](#)
- Gym Membership Management System** – MongoDB, Python, HTML, CSS, Flask (Create, Read, Update, Delete members details with membership plans). [Link](#)
- College Management System** – Python, Flask, HTML, CSS (Streamline college management tasks such as result viewing, updating study materials, and sharing college updates). [Link](#)
- Secure Communication and Intrusion Detection System** – Python, Flask, HTML, CSS, Scapy (Communication between Client and Server using Encryption, Packet Sniffer, ARP Spoofing). [Link](#)
- WiFi Analyser** – Python, SQLite (Calculate the inserted Wifi signal strength and its quality). [Link](#)

## TECHNICAL SKILLS

**Software Languages:** Python, C, Java, HTML, CSS

**Frameworks/Tools:** Flask, Bootstrap, Pandas, MongoDB, SQLite, LaTex, Excel, GitHub

### Certifications:

- Natural Language Processing Projects (Great Learning) [Link](#)
- JobReady Employability Skills (Wadhwani Foundation) [Link](#)

## ADDITIONAL INFORMATION

### Competitions:

- Runner Up – Techvision-2K25 (Sahyadri's flagship annual project exhibition).
- Participation – Cybershield: Next-Gen Defense Against Evolving Threats (Institution's Innovation Council (IIC), mInDS - Dept. Students Association, ISTE, and IEI).

**Languages:** Kannada, English, Hindi.

**Interests:** Cricket, Reading Books, Painting.