

SUMA S H

CONTACT

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EDUCATION

2020

Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, Udupi.

- B.E. - Electronics and Communication
- CGPA: 7.57

2016

R.N.S PU College Kundapura

- Pre - University
- Percentage: 90.83%

SKILLS

- **Programming Languages:**
Python, Object-Oriented Programming (OOP)
- **Database:** Oracle SQL
- **Web Technologies:** HTML, CSS, JavaScript
- **Frameworks:** Django (Python)
- **Version Control:** Git/GitHub
- **Problem Solving & Algorithms**
- **Software Development:** Full-stack application development
- **RESTful APIs**

PROFILE

Motivated and detail-oriented individual seeking a role in a dynamic organization where I can apply my technical expertise, problem-solving abilities, and interpersonal skills to develop innovative solutions, while continuously learning and contributing to organizational success.

CERTIFICATIONS

Python Full Stack Development - PySpiders, Bengaluru.

- Completed comprehensive training in Python, Django, HTML, CSS, JavaScript, and SQL.
- Gained hands-on experience in building dynamic web applications and database-driven projects.
- Applied full-stack development skills to design, implement, and optimize end-to-end software solutions.

PROJECTS

MULTIFLOOR BILLDESK

- Developed a scalable billing management system with floor-wise product inventories and supervisor-level access control.
- Implemented authentication and role-based restrictions to secure operations and streamline cart/billing functions.
- Optimized database schema and workflows using **Django, SQL, HTML, CSS, and JavaScript** for efficient transactions.

SAVIOUR-DRONE

- Developed a partially autonomous drone with mechanical arm, first-aid delivery, and two-way doctor-patient communication.
- Integrated mobile app for emergency location reporting to enable faster deployment than ambulances.
- Implemented real-time vital monitoring and emergency medication delivery using needleless injectors, leveraging **Python, Arduino, IoT sensors, and mobile app** development technologies.

ACHIEVEMENTS

- Published Research: "Saviour Drone: An Autonomous Drone for Medical Emergencies" in IJCESR.
- Awards: Received Best Project Award at Mini Project Exhibition for the project SAVIOUR.
- Presentations: Presented a technical paper at ICETSE, SMVITM Bantakal.