

Sanju Gotur

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github.com/sanjugotur

Summary

B.E. Electronics and Communication Engineering student with strong programming and software development skills. Experienced in building user-focused applications and solving problems efficiently. Passionate about innovative solutions that support organizational goals.

Education

VTU University, BE in Electronics and Communication Engineering, Belagavi Dec 2021 – May 2025
• CGPA: 8.25

GK Malagonda PU Science College, Ilkal June 2020 – April 2021
• Percentage: 80.17

Siddhartha High School, Ilkal June 2018 – Mar 2019
• Percentage: 82.88

Work Experience

ComedKares Innovation Hub, Belagavi

- Learned Hotel Management and Entrepreneurship skills.
- Leveraged problem-solving techniques and hotel management principles to create a sustainable solution.
- Designed and developed an innovative waste management mobile application.

Projects

Farmer's Delight: Disease Detection through Leaf Imaging

- Machine learning-based system to detect potato leaf diseases such as early blight and late blight.
- Applied OpenCV for image preprocessing (resizing, noise removal, color normalization).
- CNN (TensorFlow/Keras) trained for disease classification.
- Helps farmers take timely action to protect crops and minimize losses.
- Tools Used: Python, TensorFlow, Keras, Jupyter Notebook, FastAPI, CNN, Machine Learning.

Spring Stay – Hotel Management & Booking Application

- Developed a full-stack hotel management and booking application using Spring Boot (backend) and React.js (frontend).
- Implemented secure user authentication and role-based access control using Spring Security and JWT for admins and customers.
- Integrated Spring Data JPA with MySQL for storing and managing booking, room, and user data.
- Designed a responsive, intuitive UI for browsing rooms, making reservations, and viewing booking history.
- Enabled admins to manage rooms and bookings efficiently through an optimized interface.
- Tools Used: Spring Boot, React.js, Spring Security, JWT, MySQL, Spring Data JPA.

Drone-Based Delivery System

- Developed low-cost autonomous UAV for last-mile delivery of lightweight parcels.
- Integrated Android-based onboard processing for flight control and delivery automation.
- Implemented stable takeoff/landing and precise navigation.
- Designed payload handling for secure transport and automated drop-off.
- Tools Used: C++, Arduino Uno.

Text-to-Speech Converter using ReactJs

- Developed a web application using ReactJS that converts typed text into speech.
- Implemented language selection feature to support multiple voices and accents.

- Integrated Web Speech API for real-time voice synthesis.
- Designed a responsive and user-friendly interface with text area input and playback controls.
- Tools Used: ReactJS, Web Speech API, HTML, CSS, JavaScript.

Scrap-Z (Prototype)

- Designed mobile app prototype to connect users with scrap collectors.
- Created UI/UX wireframes for profiles, service listings, reviews, real-time chat, and payments.
- Planned workflows for pickup scheduling and service management.
- Tools Used: Figma.

Static Web Page Replicas

- Developed static web page replicas of popular platforms including Amazon, Netflix, and Instagram.
- Utilized HTML5 and CSS3 to create responsive, visually accurate designs.
- Applied JavaScript for basic interactivity and navigation.
- Focused on matching original platform layouts, color schemes, and UI components.
- Tools Used: HTML5, CSS3, JavaScript.

Technical Skills

Programming Languages: Core Java

Frameworks and Tools: Spring Boot, JDBC

Web Technologies: HTML, CSS, JavaScript, ReactJS

Database and Query Languages: SQL

Certificates

- Energy Literacy Training – Energy Swaraj Foundation
- Research Paper Presentation – Techno-Societal