SANVI KOUL

Bengaluru, India | Phone no.:8867544646| sanvikoul4@gmail.com

EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY   Bhopal, Madhya Pradesh
Bachelor of Technology in Computer   Nov 2022- Oct 2026
CGPA:7.89

UNIVERSITY PROJECTS

Cyber Café Management System
Backend Developer | Python (2023)

- Programmed a modular backend system for session tracking, time-based billing, and usage analytics, improving operational accuracy by 90%.
- Devised a terminal-based interface for seamless administrative control and menu management.
- Integrated itemized billing tied to user sessions, automating transactions and reducing human error by 85%.
- Stress-tested system with synthetic workloads simulating 100+ user logins over 7-day intervals; maintained >95% system availability.
- Refined exception handling and input validation to ensure secure and fault-tolerant execution.

Smart Farming Prediction Model
Frontend Developer | HTML, CSS, JavaScript (2024)

- Designed and implemented the web-based user interface enabling farmers to interact with the crop prediction model intuitively.
- Developed responsive forms for soil and climate data input using HTML and CSS, ensuring usability across devices.
- Integrated JavaScript-based validation and interactive elements to enhance user experience and data accuracy.
- Collaborated with backend developers using Flask to connect the frontend with machine learning APIs, streamlining data flow and result display.
- Ensured accessibility and clarity of design, contributing to higher engagement and usability during project demonstrations.

TECHNICAL SKILLS

Technical Skills: Java, Python, C++, JavaScript
Web Technologies/Frameworks: HTML, CSS (bootstrap), Node.js, Express.js
Developer Tools and Platforms: VS Code, Git, GitHub
Databases: MySQL

ACTIVITIES

IEEE Student Branch, VIT Bhopal | *Content Department – Student Partner Representative (SPR)*

- Managed a 5-member content team and produced 10+ event documents (SOPs, itineraries, brochures, scripts) for IEEE flagship events.
- Contributed to large-scale event execution (300+ attendees), ensuring operational efficiency and communication accuracy.

- Facilitated cross-department collaboration with faculty, administration, and design teams to obtain approvals and streamline workflows.