SAKSHAT VYAS

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Computer Science and Engineering (Core)
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Portfolio website

Education

- **VIT Bhopal UnIversity, Sehore, M.P.** *2021- 2025*
  Computer Science and Engineering (Computer Science Core) CGPA: 6.20 ongoing
- **Daisy Dales Hr. Sec. School** *2021*
  State Board of Secondary Education Percentage: 71

Work Experience

- **Samyak IT Solution Pvt Ltd** *13/09/2021 - 20/01/2022*
  Worked as an Intern and Project Lead in Python with Django Paid
- **Samyak IT Solution Pvt Ltd** *25/03/2021 - 12/06/2022*
  Worked as an Intern and Project Lead in C/C++ Paid

Projects

3.1 Ongoing Projects

- **AI Automation Drone with leaf disease detection by Machine Learning and Spraying System** *In Research Phase*
  Developing an AI-powered drone system for swift leaf disease identification in crops using advanced machine learning models. Integrated with a precision spraying mechanism, it ensures targeted treatment, minimizing pesticide use and environmental impact. This technology aims to revolutionize agriculture, enhancing crop health, and promoting sustainable farming practices.
- **Soil Fertility Measurement System** *In Research Phase*
  Using IoT and Arduino, soil fertility can be measured by sensors detecting pH, moisture, and nutrient levels. Data is collected and analyzed to determine optimal conditions for plant growth. This real-time monitoring system enables precision agriculture, maximizing crop yields while conserving resources in arid environments.

3.2 Ongoing Research Work

- **Soil Fertility Measurement System** *Under Research*
  Using IoT and Arduino, soil fertility can be measured by sensors detecting pH, moisture, and nutrient levels. Data is collected and analyzed to determine optimal conditions for plant growth. This real-time monitoring system enables precision agriculture, maximizing crop yields while conserving resources in arid environments

3.3 Completed Projects

- **Plant's Hospital : Plant Disease Detection** *Completed on 08/23*
  A Plant Disease Detection system employs machine learning algorithms to analyze images of plants and accurately identify diseases. Leveraging computer vision, it swiftly detects symptoms, aiding farmers in timely intervention. This technology optimizes crop management, mitigates losses, and promotes sustainable agriculture by enabling targeted treatment measures.
- **BookHub - Manager : Library Management System** *Completed on 02/23*
  A Library Management System efficiently organizes and automates library operations. It tracks book inventory, manages user registrations, facilitates check-in/check-out processes, and generates reports. The system enhances library administration, streamlines tasks, and provides users with a seamless experience, promoting effective library resource utilization.

Technical Skills and Interests

Skills and Programming Languages : Python, Java, C/C++, HTML/CSS, MySQL, React, Angular.
Tools and OS : Linux, Windows
Job Preference and Areas of Interest : Software Development, Web Development, App Development, Data Structure and Algorithm, Sensor and I.O.T. devices, Machine Learning.
Sideways Interest : Singing, Public Speaking, Dancing, Acting (Drama), Travelling, listening music, watching Bollywood movies.
Languages : English, Hindi

Job Description and Preference

Job Preference and Areas of Interest : Software Development, Web Development, App Development, Frontend Developer and Backend Developer

Positions of Responsibility

–**Event. Team,** IOT Club, Event Team Lead *08/2022-08/2023*
–**Event team,** iOS Club, Event Lead Co-Lead *05/2022-03/2023*
–**Hostel Secretary,** Hostel Committee, Block Head *06/2023-05/2024*