

SANJEEV KUMAR SHAH

Computer Engineering Student | Web Development | AI/ML | Data Science

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PROFESSIONAL SUMMARY

Computer Engineering student at Kathmandu University with hands-on experience building an IoT-based smart farming system using ESP32, Blynk, a local web dashboard, and web/backend technologies. Strong foundation in C/C++, HTML, CSS, JavaScript, Python, SQL, and Git/GitHub, with growing interests in web development, AI/ML, and data science. Seeking student opportunities, internships, and project-based roles where I can learn quickly, contribute to real-world development, and strengthen my software engineering skills.

EDUCATION

Kathmandu University, Dhulikhel, Kavre, Nepal | B.E. Computer Engineering
2025 – 2029 | Currently in 2nd Semester | First-Semester GPA: 3.61/4.00

TECHNICAL SKILLS

Languages: C, C++, JavaScript, Python

Web Development: HTML, CSS, JavaScript, Node.js, Express

Database: MySQL, SQL

Tools: Git, GitHub, VS Code

IoT & Embedded: ESP32, Blynk, Sensors, IoT, Embedded Systems

PROJECT

IoT-Based Advanced Farming System | 1st Semester, 2025

- Developed an ESP32-based smart farming prototype to collect and monitor soil and environmental sensor data.
- Integrated ESP32 with sensors and Blynk for IoT-based monitoring and control.
- Built a local web dashboard using HTML, CSS, and JavaScript to present project data and provide a user-facing monitoring interface.
- Worked with Node.js and Express for backend functionality and MySQL for data storage.
- Gained practical experience in hardware-software integration, sensor interfacing, embedded programming, debugging, and system integration.

GitHub: <https://github.com/SANJEEVKUMARSHAH/iot-smart-farming-esp32.git>

VOLUNTEER EXPERIENCE

100s Group | Volunteer

Provided general volunteer and event/organization support, assisting with activities and helping ensure smooth execution of group events and initiatives.

CAREER FOCUS

Target roles: Web Development Internships • AI/ML Internships • Data Science Internships • Software Development Student Roles

PROFESSIONAL LINKS

GitHub: <https://github.com/SANJEEVKUMARSHAH>

LinkedIn: <https://www.linkedin.com/in/sanjeev-kumar-shah-749a11380>

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