

# AYUSHMAN PANDEY

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## OBJECTIVE

Driven and passionate about software development, Seeking to leverage my expertise in web technologies to contribute to innovative, user-focused projects while continuously advancing my skills in full-stack development.

## SKILLS

**Languages:** Java, Python, JavaScript, SQL

**Technologies/Frameworks:** HTML5, CSS3, React, MongoDB, MySQL, Express.js, Bootstrap.

**Developer Tools:** VS Code, IntelliJ, Git and GitHub, Canva.

**Other Useful Skills:** REST API Development, JSON and XML, MVC Architecture, Cloud basics.

**Embedded Systems and IoT:** Raspberry Pi, Arduino, ARM7, Sensor Integration.

## WORK EXPERIENCE

### Bharat Intern

December 2024 - January 2025

#### Frontend Intern

- Developed and deployed a personal portfolio website using HTML, CSS, and JavaScript, increasing online presence by 30%
- Designed a Netflix-inspired web app, enhancing user engagement with an intuitive interface.
- Applied frontend best practices (responsive design, debugging, performance optimization) to meet project deadlines.

### IoT NEXUS | Intensive 40-hour workshop on IoT applications.

March 2024

- Acquired hands-on IoT experience by developing smart automation systems using sensors, actuators, and real-time control for smart home and fire disaster management solutions.
- Co-created and presented VishwaSync, an eco-conscious, user-centric smart home ecosystem addressing real-world challenges through context-aware IoT integration.

## PROJECT EXPERIENCE

### SmartAgro | IoT and ML-Based Sustainable Automatic Farming System.

April - June 2025

- Designed and implemented a scalable smart farming system using Raspberry Pi, IoT sensors, and machine learning to monitor soil and climate conditions, predict irrigation needs, and automate water distribution.
- Enhanced agricultural efficiency and sustainability by enabling real-time environmental feedback, data-driven decision-making, and low-cost autonomous irrigation suitable for rural and small-scale farms.

### DocXpert | Instant Remedies and Doctor Assistance Platform.

January 2025

- Built DocXpert, a full-stack health assistance platform using HTML, CSS, JavaScript, PHP, and MySQL, offering instant remedies, doctor chat, medicine lookup, and emergency helpline access.
- Enhanced user experience with a responsive UI, real-time healthcare support, and a dynamic service history system tracking 6 months of platform usage.

## CERTIFICATIONS

- |  |                |
|--|----------------|
| • ReactJS - Infosys Springboard  | February, 2025 |
| • IoT Raspberry Pi with Projects - Infosys Springboard                       | March, 2025    |
| • Spring Boot and Angular - React Stack - DevOps Tools - Infosys Springboard | November, 2025 |

## EDUCATION

### Noida Institute of Engineering and Technology

B.Tech - Computer Science and Engineering

2022 – 2026

Greater Noida, Uttar Pradesh

## EXTRACURRICULAR

- \* Head Coordinator: Megapixel (Photography club of NIET). 08-2024 - 08-2025
- \* Event Head: Megapixel (Photography club of NIET). 08-2023 - 08-2024
- \* Reel Coordinator: Green Gold Society (Environment-focused club of NIET). 08-2023 - 08-2024
- \* DSW Member from 2023 to 2025.