

Sonali Kumari

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About myself

Botany graduate with a strong academic foundation in plant sciences and a keen interest in sustainable biotechnology. Alongside my biological studies, developed a basic proficiency in web development and Python through projects. A dedicated multilingual learner, seeking to leverage this multidisciplinary background within the Master's in Sustainable Industrial Pharmaceutical Biotechnology at the University of Siena to contribute to innovative healthcare solutions.

Education & Training

Bachelor of Science (B.Sc.) in Botany | T.S. College (Affiliated with Magadh University) | 1 Jul 2021 - 30 Oct 2024 | Hisua, India

- Core Subjects: Plant Biology, Genetics, Microbiology, and Environment Science.
- Theoretical Focus: Studied plant systems, biological processes, and the medical applications of plant-based resources.
- Scientific Foundation: Build a strong understanding of plant genetics and environmental impacts through comprehensive coursework.
- Final Score: 73.25% (First Class)

Level in EQF: 6

Advance Diploma in Computer Applications (ADCA) | Dr. Zakir Husain Institute of Information Technology (MSME Registered) | 22 Sep 2022 - 22 Sep 2023 | Hajipur, India

- Completed a one-year comprehensive program covering computer fundamentals, office automation tools, and IT applications.
- Developed a strong technical foundations for digital productivity.
- The institute is an ISO 9001-2015 certified organisation and registered under MSME, Govt. of India.

Level in EQF: 4

Certificate in Japanese Language (CJL) | Indira Gandhi National Open University (IGNOU) | 1 Jan 2024 - 30 Jun 2024 | New Delhi, India

- Developed basic proficiency in Japanese (Nihongo), focusing on Hiragana, Katakana, and basic Kanji scripts.
- Covered essential grammar, everyday vocabulary, and conversational skills for simple communication.

Level in EQF: 2

Skills

Technical Skills | Python | React.js | HTML | CSS | JavaScript | GitHub

Biological Knowledge | Botany | Biology | Genetics | Microbiology

Tools | Microsoft Office | Microsoft Word | Microsoft Excel | Microsoft Powerpoint

Soft Skills | Problem Solving | Adaptability | Time Management | Teamwork

Language Skills

Mother tongue(s): **Hindi**

	Understanding		Speaking		Writing
	Listening	Reading	Spoken production	Spoken interaction	
English	C1	C1	B2	B2	B2
Japanese	A2	A2	A1	A1	A2
Korean	A2	A2	A2	A2	A1
German	A1	A1	A1	A1	A1

Projects

Plant Disease Detection

- Developed a web application using Python (Flask) and React.
- Helps in identifying plant diseases and monitoring plant health.
- Demonstrates integration of biology with basic technology.

<https://plant-diseases-detection-smart-plan.vercel.app/>

Health Tracker

- Built a application to track health-related data.
- Helped understand digital health concepts.

<https://health-tracker-nine-theta.vercel.app/>

Hospital Appointment System

- Created a basic system for managing patient appointments.
- Focused on UI and workflow structure.

<https://hospital-appointment-ivory.vercel.app/>

Certifications

Introduction to Digital health | Imperial College London (via Coursera) | Online | 22 Apr 2026

- Explored the foundations of digital health, including the use of technology to improve healthcare delivery and patient outcomes.
- Gained insights into health data management and digital health systems.

<https://coursera.org/verify/Z7SN59DSTZJW>

Python for Data Science, AI & Development | IBM (via Coursera) | Online | 24 Nov 2024

- Learned Python programming fundamentals including data structures, logic, and functions.
- Gained experience using libraries like Pandas and Numpy for data analysis and explored the basic AI and application development.

<https://coursera.org/verify/M8KNCX16I2O8>

React Crash Course: From Zero to Hero | Udemy | Online | 10 Jan 2026

- Completed an intensive, project-based course to learn modern frontend development with react.
- Built practical applications, including a dynamic E-commerce, to learn component-based architecture, state management (Hooks), and props.

<https://udemy-certificate.s3.amazonaws.com/pdf/UC-0380304b-c2eb-4251-b1f1-6480b2e57358.pdf>

Web Development Suite (HTML5, CSS3, JavaScript) | Infosys Springboard | Online | 9 Aug 2024

Completed an intensive technical certification series focused on frontend web development.

- HTML5 : Structuring semantic web content and multimedia.
- CSS3 : Advanced styling, responsive layouts, and Flexbox/Grid.
- JavaScript : Core programming logic, DOM manipulation, and interactive web features.
- Verification : Certificates include QR codes for authenticity verification.

Hobbies and Interests

Linguistic Exploration

Passionate about learning new languages, currently exploring Japanese, Korean, and German to enhance cross-cultural communication.

Urban Gardening

Practical application of botanical knowledge through the cultivation and care of domestic plant species.

Music

Playing guitar, which fosters creativity and personal discipline.