

# Shruti Yadav

## VIT Bhopal University

Second Year Undergraduate, **Major:** CSE  
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Leetcode: <https://leetcode.com/u/3qkaeU69lQ/>

### Education

BTech, Computer Science Engineering, VIT Bhopal University	CGPA: 8.39/10	2023 - PRESENT
Class 12, CBSE: Amity International School, Vasundhara Sector-6	Aggregate: 82 %	2021 - 2023
Class 10, CBSE: Amity International School, Vasundhara Sector-6	Aggregate: 93 %	2020 - 2021

### Experience

Internship Trainee at ONGC (Scope Minar, Delhi) [[Project Report](#)] : *[March 2025 – April 2025]*

- Learned about ABAP and SAP HANA Database and implemented and created 2 Projects; Student Record Management System (Module Pool Programming) and CSR Management System using SAP ABAP.
- SAP ABAP Programming and Module Pool Development
- SAPUI5 and Frontend Design (CSR Project)
- HANA Integration and Data Handling (CSR Project)
- CSR Reporting and Compliance Systems

### Projects

Farm Management System: Farmify [[GitHub](#)] : *[September 2024 – December 2024]*

- Developed a Farm Management System website using HTML, CSS, JavaScript, and MongoDB for database management.
- Implemented **user authentication**, allowing farmers to log in with their name, mobile number, and email ID.
- Designed a **crop information database** for 12 crops, storing details like **soil type, cultivation time, fertilizers, and tools**.
- Enabled **farmer input tracking**, where users can log their harvesting start date for better crop planning.
- Integrated an **automated guidance system** providing updates every **15 days** on crop care based on growth stages.

Farm Management System [[GitHub](#)] : *[January 2025 – April 2025]*

- Built a web application using Python, Flask, Typescript, HTML and CSS to help users predict the likelihood of common diseases based on symptom input.
- Implemented a Symptom Checker powered by machine learning models to predict diabetes, Parkinson's disease, heart disease, and mental illness.
- Trained and deployed ML models using scikit-learn, with efficient data handling through Pandas.
- Designed a clean and responsive user interface for easy interaction and clear diagnostic results.
- Enabled users to take preventive actions by providing quick and accessible preliminary health insights.

Student Record Management System ([Project Report](#)) : *[March 2025 – April 2025]*

- The **Student Record Management System** was designed and implemented using **Module Pool Programming** in SAP ABAP, providing a structured and interactive interface for managing student records. The system comprises two interconnected database tables—**Student** and **Department**—with a focus on relational integrity and intuitive user operations.
- The module pool includes multiple screens (dynpros), a tabstrip control, and custom flow logic to facilitate navigation and operations. It supports create, read, update, and delete (CRUD) functionalities for student data while allowing users to view all department entries in a separate tab.

CSR System Design and Development ([Project Report](#)) : *[April 2025 – June 2025]*

- Centralized creation, updating, deletion, and approval of CSR project records.
- Real-time tracking of project statuses, financial allocations, and beneficiary details using ALV reports.
- Advanced reporting capabilities such as sorting, filtering, and exporting data to Excel for detailed analysis.
- Integration with existing SAP modules to ensure consistent data flow and system-wide coherence.
- Responsive and intuitive SAPUI5-based interface for streamlined access and efficient navigation across departments.

### Skills

<b>Computer Skills:</b>	C, C++, Python, Java, MySQL, MS Word, MS Excel, MongoDB
<b>Developer Tools:</b>	VS Code, MongoDB Compass, SAP ABAP along with knowledge of HANA Databases
<b>Relevant Coursework:</b>	Data Structures and Algorithms, Algorithm Design, Computer Networks, Computer Architecture, Operating Systems, Digital System Design, Probability, Reliability & Statistics, Machine Learning
<b>Other Skills:</b>	Teamwork, Project Management, Communication, Problem Solving

### Positions of Responsibilities

<b>Virtual Reality &amp; Gaming Club:</b>	Core Member of VRGC of VIT Bhopal, volunteered several events and gaming tournaments	(2024-Present)
<b>Team Lead:</b>	Led a team to develop a farm management website using <b>HTML, CSS, JavaScript, and MongoDB</b> .	(2024)

## Achievements

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- Documented daily coding progress on **LeetCode and Python projects**. Participated in #100DaysOfCode Challenge (2024-Present)
- Participated in Hackathon by Adobe (2024)
- Certifications by Vityarthy (2023-24)

## Extracurriculars and Hobbies

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- **Badminton** – Passionate about playing badminton and staying active through sports.
- **Classical Dance (Kathak)** – Enthusiastic about Indian classical dance and trained in **Kathak**.
- **PC Gaming** – Enjoys exploring new games.