

Swayam Dhamunia

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Education

- **Shri Vaishnav Institute Of Information and Technology** Indore, India
Bachelor of Technology - Core Engineering (B.Tech); CGPA: 7.5 2022-2026
 - **Nirmala Convent School** Ujjain, India
Higher Secondary (12th); Grade: 85% - 2022
 - **Nirmala Convent School** Ujjain, India
Secondary School (10th); Grade: 86% - 2020
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Skills Summary

- **Languages:** Python, Java, C, C++, MySQL, HTML, CSS, JavaScript
- **Frameworks:** Sklearn, NLTK, TensorFlow, SpringBoot, Java AWT, Java Swing, Java HTTP, Java JDBC, Tailwind CSS
- **Tools:** SQLite, MySQL, Pandas, Numpy, Sklearn, Flask, TensorFlow
- **Soft Skills:** Persuasive Speaking, Critical Thinking, Creative Writing
- **Hobbies:** Singing, Guitar, Travel

Projects

- **Rain and Drought Prediction:** Developed a model that predicts the chances of rainfall in a particular area based on user-provided coordinates. The model uses *RandomForest* and *SVM* classifiers to train the dataset. The system also provides a visual representation of the forecasted rainfall.
Tech: Python, RandomForest, SVM, Flask, HTML, CSS. (June '24 - August '24)
 - **SwiftMed:** Developed a healthcare web application that predicts diseases based on user-provided symptoms and recommends corresponding medicines. The application uses user tokenization and authentication with JWT and Auth0 for secure login. Tech: CSS, JS, SpringBoot, Flask, CORS, Neural Networks, MySQL for disease prediction and data management. (April '25)
 - **Railway Management:** Developed a railway management system that allows users to search and book tickets by calling real-time railway APIs. The system shows railway timings and fare information. Tech: HTML,CSS,JS, Railway APIs, JavaScript. (April '25)
 - **IoT-based Parking System:** Created an IoT-based parking system using Arduino Uno and an ultrasonic sensor to detect the distance between the car and the wall. The system starts beeping when the car gets too close to the wall, providing a simple yet effective parking assistance.
Tech: Arduino Uno, Ultrasonic Sensor, C++. (March '25)
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- **NPTEL - Java Programming:** Completed NPTEL certification in Java Programming. (2023)
 - **NPTEL - Programming in Python:** Completed NPTEL certification in Programming in Python. (2024)
 - **NPTEL - Soft Skills and Personality Development:** Completed NPTEL certification in Soft Skills and Personality Development. (2024)

Additional Information

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- **Languages:** English (Fluent), Hindi (Fluent)
 - **Interests:** Meeting new people, Debating, Working out of a comfort zone, Puzzle solving
 - **LeetCode:** Solved 200+ problems on LeetCode.