# Devanshi Singh

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## EDUCATION

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|---|---|
| **VIT Bhopal University** | Bhopal, Madhya Pradesh |
| *B.Tech major in Computer Science* | *Expected May 2026* |
| **St. Francis Academy** | Auraiya, Uttar Pradesh |
| *12th Percentage: 75.8* | *2022* |
| **St. Francis Academy** | Auraiya, Uttar Pradesh |
| *10th Percentage: 83.8* | *2020* |

## PROJECTS

**Agricultural Bot** | *Python, TensorFlow/Keras, OpenCV, NumPy, Arduino, IoT Sensors*    July 2024 – April 2024
- Designed and implemented a deep learning model to detect plant diseases from leaf images using Convolutional Neural Networks (CNNs).
- Handled dataset preprocessing, augmentation, and training to improve model robustness and accuracy across multiple plant species.
- Integrated the trained model into a user-friendly system for real-time disease diagnosis and feedback.
- Worked closely with the hardware team to sync the disease detection system with soil moisture sensors for smart irrigation control.
- Contributed to system architecture decisions, ensuring smooth interaction between the ML model and embedded components.

**REPgs Website** | *HTML, CSS, JavaScript, Visual Studio Code*    August 2023 – November 2023
- Designed and developed the responsive user interface for a rental and PG listing platform using HTML, CSS, and JavaScript.
- Created intuitive page layouts and styling to enhance user experience and accessibility across devices.
- Implemented dynamic frontend features including interactive filters, listing previews, and form validations.
- Collaborated with the backend team to ensure seamless integration of user data and listing functionalities.

**Sentiment Analysis System** | *Python, Scikit-learn, NLTK, TensorFlow/Keras, Pandas* February 2024 – May 2024
- Developed a machine learning model to classify user comments as positive, negative, or neutral using NLP techniques.
- Preprocessed and cleaned text data using tokenization, stemming, and stopword removal.
- Implemented models like Naive Bayes, SVM, or LSTM to evaluate sentiment with high accuracy.
- Fine-tuned model performance and optimized hyperparameters to achieve optimal results.

## ACHIEVEMENTS

- Solved 500+ Problems on Leetcode and Geeksforgeeks
- Elite Plus Silver Certificate in Cloud Computing

## CERTIFICATES

- Data Science with Python by Iamneo - Apr 2025
- MERN Stack Development with MongoDB by Smartbridge - Apr 2025
- NPTEL Cloud Computing by IIT Kharagpur - Apr 2024
- Bits and Bytes of Networking by Coursera - Dec 2023
- Python Completion by Udemy - Jan 2024

## TECHNICAL SKILLS

**Languages**: Python,C++, SQL, JavaScript, HTML/CSS
**Frameworks**: React, Node.js,
**Developer Tools**: Git, VS Code, Visual Studio, PyCharm, Eclipse
**Libraries**: pandas, NumPy, Matplotlib