

DEVANSHI SINGH

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EDUCATION

VIT BHOPAL UNIVERSITY

Bachelor of Computer Science Engineering

Cumulative GPA: 8.70

Bhopal, Madhya Pradesh

Expected June 2022

ST. FRANCIS ACADEMY

Completed Higher Secondary Education (Science Stream) under CBSE with **75.8%**

Auraiya, Uttar Pradesh

Mar 2020 – Mar 2022

ST. FRANCIS ACADEMY

Completed Secondary Education under CBSE with **83.8%**

Auraiya, Uttar Pradesh

Mar 2019 – Mar 2020

PROJECTS

REPGs Website

Aug 2023 – Nov 2023

- Developed REPGs, a full-stack web application to help students find nearby Paying Guest (PG) accommodations.
- Ensured Designed the front-end using HTML, CSS, and JavaScript for a user-friendly interface.
- Built secure back-end in PHP, enabling real-time search across 100+ property listings.
- smooth data handling and seamless integration between front-end and back-end components.

Sentiment Analysis

Feb 2024 – May 2024

- Created a predictive model using Python, TensorFlow/Keras, and Pandas to evaluate textual user input.
- Implemented natural language processing (NLP) pipelines for efficient comment classification.
- Applied NLP techniques including tokenization and stop-word removal, reducing preprocessing time by **20%**.
- Optimized model behavior through hyperparameter tuning to boost classification precision across three sentiment categories: positive, negative, and neutral.

Agricultural Bot

Jul 2024 – Apr 2025

- Built a CNN model achieving 95%+ accuracy in detecting 10+ types of plant diseases from leaf images.
- Integrated soil moisture sensors to automate irrigation, reducing manual watering needs by 60%.
- Deployed solution on Arduino with real-time feedback under 5 seconds per detection cycle.
- Played a key role in refining the detection pipeline, calibrating input signals, and shaping the embedded system's architecture for field-ready deployment.

ACHIEVEMENTS

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

CERTIFICATIONS

- MERN Stack Development with MongoDB by Smartbridge - Apr 2025
- NPTEL Cloud Computing by IIT Kharagpur - Apr 2024
- NPTEL Marketing Analytics by IIT Kharagpur – Apr 2025

ADDITIONAL

Technical Skills: C++, Python, SQL, HTML, CSS, Javascript

Focused Field: MERN Full-Stack Web Development

Framework: React, Node.js, Express.js

Developer Tools: Version Control System (Git,GitHub), VS Code, MySQL, Jupyter