

# Roshni Seth

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## Technical Skills

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**Languages:** C++, Python, HTML, CSS, JavaScript, SQL

**Tools/Platforms** Git, Github, VS Code, Docker, MySQL

**Libraries/Frameworks** Django, PyTorch, Scikit-learn, Matplotlib

**Technologies** Artificial Intelligence, Machine Learning, Web Development, DSA, API Testing and Web Services, Object-Oriented Programming (OOPs)

## Projects

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### Chili Leaf Disease Classification [Click Here](#)

- **Tech Stack:** PyTorch, TIMM, Scikit-learn, Matplotlib
- Fine-tuned ViT model vit-base-patch16-224 on a custom chili leaf dataset using PyTorch.
- Built a modular training framework with layer freezing, custom learning rates, early stopping, and visualization tools.
- Evaluated models using confusion matrix, t-SNE, AUC-ROC, and class-wise precision/recall/F1.
- Visualized feature maps and filters for model interpretability.
- Integrated model selection between ViT and ConViT and provided disease-specific remedy suggestions through a user-friendly Streamlit interface.

### SMS Spam Classifier [Click Here](#)

- **Tech Stack:** Python, NLP, Scikit-learn
- Developed and deployed a machine learning app for SMS spam detection using Naive Bayes and NLP techniques (stopword removal, stemming, CountVectorizer).
- Built an interactive Streamlit interface for real-time prediction and hosted it via Streamlit Cloud.

## Education

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### Banaras Hindu University

2023– 2025

*Master's of Science in Computer Science(M.Sc.)*

- CGPA:- 7.86

### Bachelor's of Science(B.Sc.)

2019– 2022

- 68%

### Class 12t(CBSE)

2017– 2018

- 75.2%

### Class 10(CBSE)

2016– 2017

- CGPA:- 8.2

## Certificates

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Data Structure and Algorithms using C++

Programming in Modern C++ (NPTEL)

Data Structure and Algorithms using Python (NPTEL)