



# Pradeep Singh

Computer Application  
Undergraduate | Frontend  
Developer | AI-ML Enthusiast

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## Profiles

 [pradeep-singh4](#)  [pradeep-r04](#)

## Skills

### Web Technologies

HTML, CSS, JavaScript, PHP

### Programming languages

C, Python, Java, C++

### Professional Skills

Time Management, Effective  
Communication, Subject Matter  
Expertise, Quick Learning

### Frameworks

Pandas, Numpy, Matplotlib, Scikit-Learn

### Tools

Excel, PowerPoint, MySQL

### Platforms

PyCharm, Jupyter Notebook, Visual  
Studio Code

## Certifications

<b>Python</b> Lets Upgrade	<b>Java</b> Infosys Springboard
<b>Data Structures in C</b> Great Learning	<b>HTML &amp; CSS</b> ThingQbator
<b>Soft Skills</b> TCS ion	<b>DBMS &amp; MySQL</b> Lets Upgrade
<b>Data Science Internship</b> YBI Foundation	<b>Data Analysis with Python</b> Cognitive Class
<b>Python Programming Internship</b> Vault of Codes	<b>Machine Learning Internship</b> IBM SkillBuild

## Summary

Passionate and detail-oriented Computer Applications undergraduate specializing in **Frontend Development** and **Machine Learning**. Proven ability to design responsive, user-focused web applications and implement AI models for real-world problem-solving. Skilled in Python, C, JavaScript, and key frameworks like scikit-learn and NLTK, with strong analytical and communication skills.

## Experience

### Edunet Foundation - Artificial Intelligence Intern Nov 2024-Jan 2025

- Engineered a **spam email classification system** utilizing Natural Language Processing (NLP) and Machine Learning algorithms (Naive Bayes, Logistic Regression, SVM).
- Optimized** data preprocessing with tokenization, stop-word removal, and stemming, enhancing model performance.
- Achieved 95% accuracy** and improved detection reliability through hyperparameter tuning and metric-based evaluation (precision, recall, F1-score).

### IBM SkillsBuild - Frontend Developer Intern Jun 2024-Aug 2024

- Developed and maintained** responsive web applications using HTML, CSS, and JavaScript, enhancing cross-platform compatibility and user engagement.
- Collaborated** with cross-functional teams to implement user-centered designs, improving user experience by 20%.
- Conducted code reviews** and rigorous testing to identify and resolve bugs, reducing frontend defects by 30%.

## Education

### Vivekananda Institute of Professional Studies Oct 2022-Present

Bachelor of Computer Application

## Projects

### Spam Email Classification

- Developed a machine learning model to classify emails as spam or non-spam using **supervised learning algorithms**, primarily Naive Bayes.
- Performed **data preprocessing techniques**, including tokenization, stop-word removal, and stemming, using **Natural Language Processing (NLP)** for feature extraction.
- Optimized model performance** through hyperparameter tuning and evaluated outcomes using **accuracy, precision, recall, and F1-score metrics**.
- Implemented the solution in **Python** utilizing libraries such as **scikit-learn, NLTK, and pandas**.

### Personal Portfolio

- Designed and developed a **responsive personal portfolio website** using **HTML, CSS, and JavaScript** to showcase **technical skills, projects, and internship experiences**.
- Implemented **interactive features** such as animations, smooth scrolling, and responsive design for an enhanced user experience across mobile, tablet, and desktop devices.
- Focused on clean code practices and web accessibility standards**, integrating semantic HTML and optimized CSS for performance improvements.
- Hosted and deployed the portfolio using **GitHub Pages**, leveraging **version control with Git** for continuous updates and maintenance.