

Pradeep Singh

Computer Application Postgraduate
| Software Development Engineer
(SDE) | AI & Machine Learning
Aspirant

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Profiles

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Skills

Web Technologies

HTML, CSS, JavaScript, PHP

Programming languages

C, Python, Java, C++

Frameworks

Pandas, Numpy, Matplotlib, Scikit-Learn

Tools

Excel, PowerPoint, MySQL

Platforms

PyCharm, Jupyter Notebook, Visual
Studio Code

Certifications

**Data Structures
in C** **DBMS & MySQL**
Great Learning Lets Upgrade

**Data Analysis
with Python** **Python**
Cognitive Class **Programming**
 Internship
 Vault of Codes

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, enhancing user experience through responsive UI and accessibility improvements.
- **Conducted code reviews** and rigorous testing to identify and resolve bugs, reducing frontend defects by 30%.

Education

Centre For Development of Advanced Computing **2025-Present**
Master of Computer Applications

Vivekananda Institute of Professional Studies **2022-2025**
Bachelor of Computer Applications

Projects

Spam Email Classification

 [Link](#)

- 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, F1-score metrics**.
- Implemented the solution in **Python** utilizing libraries such as **scikit-learn, NLTK, and pandas**.

Daawat - Food Waste Management System

 [Link](#)

- Developed a web-based platform to manage food surplus by enabling users to **host** and **attend** food-sharing events based on **real-time location**.
- Implemented **Firebase Realtime Database** for dynamic data storage and **Firebase Authentication** for secure user login/registration.
- Integrated **Leaflet Map** to filter and display nearby daawats based on user location.
- Promoted community-driven food sharing while addressing a **real-world problem of hunger and food waste**.
- Developed two main user flows:
 - **Host flow:** Post details of available food (description, quantity, time, location).
 - **Attend flow:** View and attend nearby daawats, with location-based recommendations.