

Vinay Kumar Patel

+91 8076240199 | [EMail](#) | [LinkedIn](#) | [Github](#)

TECHNICAL SKILLS

- **Programming Languages** : Java, HTML, CSS, JavaScript
- **Machine Learning** : Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn
- **Tools & Platforms** : Git, GitHub, Streamlit

PROJECTS

Email Spam Detection

[Github](#)

- Developed a spam detection system using **NLP** and machine learning algorithms.
- Achieved 96.7% accuracy by fine-tuning models like Naive Bayes and SVM.
- Applied **NLP** techniques like TF-IDF to preprocess and convert text data into numerical features for the spam detection model.
- Deployed the model and created a user-friendly interface using **Streamlit**.

Portfolio Website

[Github](#)

- Built a **responsive** portfolio website to showcase personal projects and professional skills.
- Utilized **CSS** for styling and layout, and **JavaScript** for interactive features.
- Optimized the site for various devices, ensuring fast load times and accessibility.

CERTIFICATIONS

Frontend Development from Syntax World

- Structured web content with semantic markup, ensuring accessibility and SEO optimization.
- Designed responsive and visually appealing web pages using advanced styling techniques, including Flexbox, Grid, and animations.
- Implemented interactive features and dynamic content on websites, including DOM manipulation and event handling.

Machine Learning from Simplilearn

- Mastered supervised learning techniques such as Naïve Bayes, Support Vector Machine.
- Proficient in Python libraries including Scikit-learn, Pandas, Numpy, Matplotlib, and Seaborn.
- Developed a email spam detection project to classify emails as spam or ham.
- Implemented natural language processing (NLP), various classification algorithms.

EDUCATION

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| • Guru Gobind Singh Indraprastha University
B.Tech - Artificial Intelligence and Data Science
Current GPA: 8.36 | Delhi, India
Oct 2022 – June 2026 |
| • Navy Children School ,Kochi
12(CBSE)
Percentage: 92.6% | Kerala, India
2021 |