AJAY SINGH

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EDUCATION

Bachelor of Technology in Computer Science   2021 - 2025
Noida Institute of Engineering and Technology

Senior Secondary Education   2019-2021
Kendriya Vidyalaya — PCM with Computer Science

EXPERIENCE

Artificial Intelligence Trainee   Aug 2023 - Oct 2023
Skolar

- Learned AI concepts with Python and machine learning algorithms through practical training.
- Handled data preprocessing, selected features, and built machine learning models, including regression, classification, and clustering, to build accurate and efficient models for data-driven solution
- Built a machine learning project in Python, using algorithms like decision trees, random forests, and neural networks to tackle a real-world problem and improve the model's accuracy.

PROJECTS

Learning Management System

- Developed a role-based LMS with specific permissions for "Student," "Teacher," and "Admin".
- Built with React for a dynamic UI, styled using Tailwind CSS, and managed state using Redux for efficient data flow.
- Implemented with Node.js and Express.js, using MongoDB for data storage and JWT for secure authentication

My Portfolio

- Created a personal portfolio website to showcase projects and skills using HTML, CSS, and JavaScript.
- Styled the website using Tailwind CSS for a clean, responsive, and modern layout..
- Integrated interactive elements and smooth animations with vanilla JavaScript to enhance user experience.

Fake News Detection System

- Developed using Python with Machine Learning algorithms like Logistic Regression, Random Forest, and Naive Bayes.
- Used libraries such as pandas, NumPy, scikit-learn, and NLTK for data preprocessing and model building.
- Applied NLP techniques like text cleaning, tokenization, and TF-IDF vectorization for feature extraction.
- Successfully built a basic system to identify fake news articles and understand key ML workflows.

TECHNICAL SKILLS

Languages: HTML, CSS, JavaScript, Python, Java,SQL
Frameworks: React, Node.js, MonngoDB, Tailwind CSS
Tools: Git/Github, VS Code
Libraries: pandas, NumPy, Matplotlib

CERTIFICATIONS

IBM
∗ Introduction to Artificial Intelligence

SKOLAR
∗ Artifial Intelligence

UNIVERSITY OF MICHIGAN
∗ Python Basics

IBM
∗ Python for Data Science, AI & Development