AJAY SINGH

7042279315 | asm16092003@gmail.com | github.com/AjaySingh-a | github.com/AjaySingh

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

- Conducted advanced data preprocessing, feature engineering, and model optimization techniques to improve prediction accuracy by 15%.
- Built scalable machine learning models using Python, implementing algorithms such as Decision Trees, Random Forests, and Neural Networks to solve real-world problems.
- Developed and deployed a recommendation system that achieved 90% user satisfaction during testing.
- Collaborated with a team to solve real-world problems, ensuring timely delivery of projects with high-quality outputs.

Projects

Learning Management System

- Designed a role-based LMS supporting distinct permissions for "Student," "Teacher," and "Admin" roles.
- Engineered using React for a responsive UI, styled with Tailwind CSS, and managed state using Redux.
- Integrated MongoDB for database management and JWT for secure user authentication, ensuring 100% uptime during testing.
- Achieved a seamless user experience by implementing optimized API calls using Node.js and Express.

My Portfolio

- Designed a fully responsive portfolio website using React.js, 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.
- Included dynamic sections showcasing real-time project updates and GitHub contributions.

Fake News Detection System

- Built a system to classify news articles using Logistic Regression, Random Forest, and Naive Bayes with 92% accuracy.
- Implemented NLP techniques like TF-IDF vectorization and tokenization for feature extraction.
- Optimized model performance using hyperparameter tuning, reducing false positives by 20%.
- Designed an interactive dashboard for users to upload articles and view real-time predictions.

Technical Skills

Languages: HTML, CSS, JavaScript, Python, Java,SQl
Frameworks: React, Node.js,Tailwind CSS
Databases: MongoDB, MySQL
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