Jha Nitesh

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Goal

An artificial intelligence-focused computer science student with hands-on experience in web development, machine learning, and natural language processing. I have developed solutions that produce precise and effective outcomes in fields like sentiment analysis, medical imaging, and security. As a data scientist and AI engineer, my goal is to develop significant, data-driven solutions for pressing problems.

Initiatives

Chest X-rays for the Identification of Pneumonia

created and trained a CNN model to identify pneumonia from chest X-ray images using TensorFlow/Keras and OpenCV. Dropout regularization was put into practice, and confusion matrices and classification reports were used to assess the model.

Classification of Brain Tumors

To categorize MRI scans into four tumor types, a multi-class CNN was constructed using TensorFlow/Keras and ImageDataGenerator. Strong accuracy was attained, and the trained model was saved for use.

Classifier for Fake News

developed a system for classifying texts by combining Logistic Regression and TF-IDF. AUC scores and ROC curves were used to compare model performance, and the most accurate deployment strategy was chosen.

Sentiment analysis of Amazon Fine Food Reviews

TF-IDF and Logistic Regression were used to analyze Amazon product reviews in order to identify whether they were positive or negative. 93.38% accuracy was attained, and custom input prediction was used.

Education : NIIT University, Neemrana, Rajasthan, 2022–2026 | CGPA: 5.25 B.Tech in Computer Science & Engineering (Artificial Intelligence) Relevant Modules: Computer vision, natural language processing, machine learning, deep learning, data structures and algorithms, database management systems, and cybersecurity

XII, Vivekanand School, Narela (CBSE): 2022 graduation

2018 graduation from X, Doon Public School (CBSE)

Ability

Python is one of the programming languages.

AI and Machine Learning TensorFlow, Keras, scikit-learn, pandas, NumPy, OpenCV, Matplotlib, Seaborn, TF-IDF, text classification, sentiment analysis, hyperparameter tuning, and metrics for evaluating the model are among the libraries.

Web development using the MERN stack (Express.js, React.js, Node.js, and MongoDB), The flask

Platforms & Tools: VS Code, Google Colab, Docker, Jupyter Notebook, GitHub, Git, Jenkins

Cloud Services: Google Cloud Platform (Data Pipelines, Generative AI, Large Language Models, AI Principles, and Vertex AI)

Databases: MySQL and MongoDB

Cybersecurity: system call anomaly detection (ADFA-LD dataset), Ubuntu, Kali Linux, brute force attacks, dictionary attacks, phishing, trojan, and SQL injection

Accreditations

Vertex AI's Prompt Design – Google Cloud, August 2025

Developing Google Cloud Batch Data Pipelines - Google Cloud, July 2025

Google Cloud, May 2025: Using AI Principles in a Responsible Way

Overview of Conscientious AI – Google Cloud, May 2025

Overview of Google Cloud's Generative AI, May 2025

Overview of Big Language Models – Google Cloud, May 2025

Udemy, Dec. 2023: Learn Front-End Web Development from Scratch

Mastering Backend Web Development with Node.js, SQL, and PostgreSQL – Udemy, June 2024

The Whole JavaScript Course 2024: From Novice to Proficient! Udemy, June 2024