SAUMYA

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SUMMARY

Passionate MTech (Artificial Intelligence) student with strong problem-solving skills and hands-on experience in building machine learning models. Skilled in Python, data preprocessing, and training AI models, with experience in various deep learning architectures. Always eager to learn and explore new technologies across different domains, ready to adapt to emerging trends. A quick learner with a proactive approach to tackling real-world challenges in the tech industry.

EDUCATION

MTech in Artificial Intelligence 2024 – 2026
Amrita Vishwa Vidyapeetham, Coimbatore SGPA: 8.25

BTech in Computer Science 2015 – 2019
Lovely Professional University, Punjab CGPA: 7.5

Higher Secondary (12th) 2014 – 2015
Kendriya Vidyalaya, Hindon, Ghaziabad 75%

Matriculation (10th) 2012 – 2013
Kendriya Vidyalaya, Hindon, Ghaziabad CGPA: 10

PROJECTS

Plant Disease Detection
Developed a model using EfficientNet B0 to classify plant diseases via leaf images.
- Optimized preprocessing pipelines to enhance model performance for real-time deployment.
- Achieved high accuracy through iterative testing of data augmentation techniques.

Fake Product Review Detection
Developed a classifier to detect fraudulent product reviews using Scikit-learn and NLP techniques (TF-IDF, Logistic Regression).
- Achieved 92% accuracy on an Amazon reviews dataset by analyzing linguistic patterns and metadata.
- Utilized Python, Pandas, and NLTK for data preprocessing and model training.

Weather Dashboard (API Integration)
Built a dynamic dashboard to fetch and display real-time weather data via OpenWeatherMap API.
- Implemented a responsive UI with HTML/CSS/JavaScript, supporting city-based searches and 5-day forecasts.
- Integrated auto-refresh functionality and error handling for invalid user inputs.

Retinal Disease Classification (CNN/BNN)
Built CNN and BNN models to detect eye diseases from retinal images.
- Built CNN and BNN models to detect eye diseases from retinal images.
- Improved accuracy and uncertainty estimation using BNNs while comparing their performance with CNNs for computational efficiency.

Twitter Sentiment Analysis
Developed a sentiment analysis system to classify tweet sentiments.
- Built a sentiment analysis model using Word2Vec and a neural network to classify tweets.
- Processed and cleaned large-scale Twitter data to analyze sentiment trends effectively.

TECHNICAL SKILLS

Programming: Python (NumPy, Pandas), C/C++
Machine Learning: Scikit-learn, PyTorch (basic), TensorFlow (basic), CNNs
Tools: OpenCV (basic), SQL

EXPERIENCE

Customer Service Associate — Genpact Oct 2021 – Apr 2022
- Resolved technical queries related to DNS, website hosting, and domain management
- Developed troubleshooting and client communication skills through GoDaddy support

STRENGTHS

- Resilient
- Adaptable
- Detail Oriented
- Fast learner
- Goal-oriented

TECHNICAL INTERESTS

- Exploring prompt engineering to optimize AI-generated solutions for tasks like code writing, data analysis, and natural language processing.
- Learning cloud platforms (AWS/Azure) to manage and scale AI/ML models efficiently.
- Solving coding challenges to sharpen problem-solving skills for real-world scenarios.

LANGUAGES

English: Fluent **Hindi**: Fluent