Pawan Chouksey

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Summary

Computer Science graduate with hands-on experience in software development, machine learning, and cloud technologies and problem-solving skills. Proficient in C++, Python, SQL, Docker, and AWS.
Experienced in building and deploying end-to-end ML services using FastAPI, Docker, and AWS. Solved 200+ DSA problems. Certified by AWS, Cisco, and CPCT.

Skills

Programming: SQL, OOPs, Python, C/C++
Web Development: HTML, CSS (Frontend), FastAPI (Backend)
Machine Learning: NumPy, Pandas, Scikit-learn, Matplotlib, NLP, TensorFlow
Cloud & DevOps: Docker, AWS(EC2, S3)
Version Control: Git, GitHub.
Soft Skills: Multitasking, Good communication.

Education

Gyan Ganga Institute of Technology and Science, Jabalpur **CGPA: 7.05 / 10**
B.Tech. Artificial Intelligence and Machine Learning *2022 - 2026*

Bardsely English Medium Senior Secondary School, Katni **2019 - 2021**
Class 12th (PCM) *Percentage: 71.8%*
Class 10th *Percentage: 76.6%*

Projects

Text Sentiment Analysis

- Developed and deployed a sentiment analysis system to classify text into positive, negative, and neutral categories using deep learning models (LSTM, RNN) and NLP techniques with NLTK.
- Preprocessed and analyzed a dataset of 100,000+ text samples, performing tokenization, cleaning, and feature extraction to improve model performance achieving 85–90% accuracy.
- Built a REST API using FastAPI for real-time predictions and integrated the model into a scalable backend.
- Deployed the application on AWS EC2, enabling remote access and handling inference requests efficiently.

AI-Driven Network Intrusion Detection System (NIDS)

- Developed a machine learning-based intrusion detection system in Python to classify network traffic as normal or malicious in real time.
- Trained and evaluated models on the NSL-KDD dataset to detect multiple attack types (DoS, Probe, R2L, U2R).
- Performed data preprocessing and feature engineering using Pandas and NumPy, including encoding and selection to improve model performance.
- Built a FastAPI-based web interface and used Matplotlib for visualizing network traffic patterns and prediction results.

World Voyager – Travel Planner

- Built a responsive travel planning website using HTML, CSS, and JavaScript (Vanilla JS) that lets users explore destinations, view travel packages, and plan trips through an interactive and user-friendly interface.
- Built a responsive layout compatible with desktop and mobile devices.

Certifications Link

- **Cisco:**
  Cisco Certified Network Associate (CCNA)
  Cisco Programming Essentials in Python.
  Cisco Programming Essentials in C/C++.
- **AWS:**
  AWS Academy Machine Learning Foundation
  AWS Academy Cloud Foundations
- **COMPUTER PROFICIENCY CERTIFICATION TEST (CPCT)**