DIYA TAYAL

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SUMMARY

AI/ML enthusiast with strong proficiency in Python, Machine Learning, Deep Learning, NLP, and full-stack development. Experienced with TensorFlow, scikit-learn, and building end-to-end AI solutions. Adept at developing production-ready applications and solving complex data challenges using generative AI and automation.

EDUCATION

B.Tech, Artificial Intelligence and Machine Learning   Graduating June 2026 (Expected)
Madhav Institute of Technology and Sciences   8.50 GPA

EXPERIENCE

Software Development Intern at CoreCard Software India Pvt. Ltd., Bhopal   Jun 2024 – Jul 2024
- Designed and implemented a responsive front-end using HTML, CSS, and React.js, improving user engagement by 30%.
- Built RESTful APIs with Express.js and MongoDB for seamless data handling, reducing load time by 40%.
- Debugged and optimized UI components to enhance user experience and performance.

PROJECTS

NLP Based Resume Analyser   March 2025-Present
- Developed an NLP-based Resume Analyser web application with 88% accuracy for ATS scoring and keyword extraction.
- Integrated generative AI via OpenAI API for personalized cover letter generation and grammar correction.
- Built job scraper using BeautifulSoup and automated resume builder with Streamlit for enhanced UX.
- Tech Stack: Python, Flask, scikit-learn, spaCy, PyMuPDF, BeautifulSoup, OpenAI API, LangChain, Streamlit, Pandas, NumPy.

SmartCure   Nov 2024 – Dec 2024
- It is an intelligent healthcare Assistant that predicts diseases based on symptoms and provides personalized recommendations for medication, diet, workout, and precautions.
- The system predicts the most probable disease using trained ML models,Integrated a Mental Health Companion Bot to offer emotional support using LLMs and AI-driven conversations.
- Tech Stack: scikit-learn, XGBoost, Pandas, NumPy, Flask, LangChain, OpenAI API

Portfolio Website   Oct 2024
- Designed and developed an interactive portfolio website using React js, showcasing my skills and projects. The website features a modern and responsive design. It is a 3D website which uses animations from three js.
- Tech Stack: HTML,CSS,Javascript,React

TECHNICAL SKILLS

Languages: Python, C, C++, R, SQL, JavaScript
Libraries/Frameworks: TensorFlow, PyTorch, scikit-learn, spaCy, NumPy, Pandas, LangChain, React.js, Flask
Tools: Git, GitHub, Jupyter Notebook, Google Colab, Visual Studio
Concepts: Data Structures Algorithms, Object-Oriented Programming (OOP), Operating Systems, DBMS, Computer Networks

ACHIEVEMENTS & CERTIFICATIONS

- Solved 400+ DSA problems on LeetCode and Coding Ninjas, demonstrating strong algorithmic thinking.
- Silver+Elite Badge – NPTEL Edge Computing (2024)
- Data Science and Machine Learning – Udemy (by Krish Naik)
- Introduction to Generative AI – Google Cloud (2025)