DIYA TAYAL

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SUMMARY

AI/ML enthusiast with strong proficiency in Python, Machine Learning, Deep Learning, NLP, and Data Science. 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**

Madhav Institute of Technology and Sciences(MITS),Gwalior   **8.50 GPA**

EXPERIENCE

Software Engineering Intern at **CoreCard Software India Pvt. Ltd., Bhopal**   **June 2024 – July 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

Smart Resume Analyser using Natural Language Processing (NLP)   **March 2025-Present**
- Improved resume scoring accuracy by 40% using NLP and keyword matching.
- Developed a real-time admin dashboard for tracking parsed documents and user uploads.
- Enabled dynamic job-resume matching by scraping 500+ LinkedIn jobs and generating personalized cover letters with Gemini API.
- Tech Stack: Python, scikit-learn, spaCy, PyMuPDF, BeautifulSoup, Gemini, LangChain, Streamlit, Pandas, NumPy.

SmartCure:Health Assistance using Machine Learning   **January 2025**
- Developed an intelligent healthcare assistant using ML models, achieving 85% accuracy in disease prediction based on user symptoms.
- Delivered personalized health recommendations for medication, diet, exercise, and precautions.
- Integrated a mental health companion bot using LLMs for AI-driven emotional support and natural language interaction.
- Tech Stack: Python, scikit-learn, XGBoost, Pandas, NumPy, Flask, LangChain, Gemini API .

Personal Portfolio Website using React   **October 2024**
- Designed and developed an interactive 3D portfolio website using React.js and Three.js, featuring smooth animations and a modern, responsive design.
- The site effectively showcases my skills, projects, and creative capabilities through an engaging user experience.
- Tech Stack: HTML, CSS, Javascript, React .

TECHNICAL SKILLS

- **Machine Learning / Deep Learning / Natural Language Processing**
- **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, MLFlow, DagsHub .
- **Computer Science Fundamentals:** Data Structures Algorithms, Object-Oriented Programming (OOPS), 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** (2025) .
- Data Science and Machine Learning – Udemy (by Krish Naik) .
- Introduction to Generative AI – Google Cloud (2025) .