

DIYA TAYAL

☎ 8989290528 | ✉ diyatayal15@gmail.com | 🔗 LinkedIn | 🏠 Github

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) .