Nihal Singh Bhadoriya

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Summary — Driven 3rd-year AIML student with hands-on experience in Python, Data analysis, and model development using TensorFlow, Pandas, and scikit-learn. Strong foundation in Data Structures and Algorithms. Successfully applied machine learning techniques to real-world projects, optimizing models for accuracy and efficiency in AI-driven solutions. Currently expanding skills in generative AI.

Education

Madhav Institute of Technology and Science, Gwalior   2022-2026
B.Tech in Artificial Intelligence & Machine Learning   *GPA: 8.45*

Work Experience

Corecard Software India Pvt. Ltd. Bhopal   Jun 2024 – Jul 2024
Software Engineer Intern

– Rebuilt the company website using MERN stack, optimizing for 30% faster load times and improved performance.
– Enhanced and created 5+ UI components, ensuring a seamless and user-friendly experience.
– Resolved 30+ front-end bugs, improving overall site stability and performance.
– Collaborated in design reviews, providing constructive feedback on proposed solutions for better user experience.

MITS Gwalior   Jun 2023 – Jul 2023
Undergraduate Summer Intern

– Cleaned and preprocessed dataset of 10,000 records, handling missing values and outliers.
– Performed EDA to uncover key trends and insights.
– Created a machine learning model with 95% accuracy, making accurate predictions on the data.

Projects

NLP Based Resume Analyzer   March 2025 – Present

– Enhanced resume evaluation accuracy by 40% through NLP-based ATS scoring and personalized keyword matching.
– Built an interactive admin dashboard with real-time SQL data retrieval, enabling centralized monitoring of parsed documents and visual tracking of user uploads, classifications.
– Fetched 200+ dynamic job postings based on role and location using RapidAPI's JSearch endpoint, and generated tailored cover letters using Google's Gemini API for role-specific personalization.

MLOps Pipeline for Network Security System   January 2025

– Developed an end-to-end MLOps pipeline for a network security system utilizing various ML algorithms, achieving 97% accuracy for classification.
– Handled data preprocessing, model training, and evaluation, with MongoDB for storage and MLflow/DagsHub for experiment tracking.
– Deployed on AWS using Docker, ECR, and EC2, with FastAPI and Uvicorn for UI integration.

Personal Portfolio Website using React   October 2024

– Designed a seamless, modern UI with smooth animations in React, enhancing user engagement and improving overall user traffic.
– Built a responsive portfolio website showcasing skills, projects, and social media links, ensuring smooth navigation across all devices.

Technical Skills

Data Science/Machine Learning/Deep Learning

Programming Languages: C++, Python, R, JavaScript, HTML, CSS

Libraries & Frameworks: TensorFlow, React, Keras, Scikit-learn, NumPy, Pandas

Tools: DVC, MLflow, CI/CD, Git, GitHub

Cloud & Database: AWS, MongoDB, MySQL

Competitive Programming: Solved 400+ DSA questions on LeetCode and Coding Ninjas

Computer Science Fundamentals: Data Structures and Algorithms, OOPS, Operating Systems, DBMS, Computer Networks