

Hari Patel

LinkedIn | GitHub | Kaggle | LeetCode | HackerRank

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SUMMARY

Motivated B.Tech AIML student with a solid foundation in AI, Machine Learning, Data Science, and Software Development. Proficient in Python, Java, C++, SQL, and Rust, with expertise in leveraging advanced tools such as TensorFlow, PyTorch, Scikit-learn, and OpenCV. Committed to solving complex real-world problems through technology, with a focus on smart agriculture, fake news detection, and AI-powered applications. Demonstrated excellence in DSA, ranking in the top 5% in the NPTEL DSA using Java course. Eager to apply my skills and grow as a Data Scientist, Data Analyst, AI Engineer, or ML Engineer.

TECHNICAL SKILLS

- **Programming Languages:** Python, SQL, Java, C++, Rust, JavaScript, TypeScript, R
- **AI/ML Frameworks:** TensorFlow, PyTorch, Scikit-learn, OpenCV, Hugging Face, FastAPI, Flask
- **Web Development:** React.js, Node.js, Express.js, MongoDB, MySQL
- **Data Science & Analytics:** NumPy, Pandas, Matplotlib, Seaborn, Power BI, Tableau, NLP, Computer Vision
- **Cloud Platforms:** AWS, GCP
- **DevOps & Tools:** Git, Docker

PROJECTS

- **Smart Agriculture System:** AI-powered system with plant detection using CNNs for disease classification and irrigation scheduling based on environmental data. Developed RESTful APIs for integration.
- **Dental Disease Detection:** AI model using CNNs for detecting dental diseases from X-ray images. Employed image preprocessing techniques to enhance accuracy.
- **Smart Solar Panel Positioning:** Machine learning system to track solar panel positions based on real-time environmental data using regression algorithms.
- **Fake News Detection:** Used multiple models including CountVectorizer with Naive Bayes, TfidfVectorizer with PassiveAggressiveClassifier, HashingVectorizer with SGDClassifier, and Doc2Vec with Logistic Regression to classify news articles as real or fake. Selected the best model based on performance metrics.
- **AI Educational Chatbot App:** AI-powered chatbot to provide students with seamless access to course info, admissions, and curriculum updates. Features an interactive, user-friendly interface.

EDUCATION

- **Charotar University of Science and Technology (CSPIT)** Changa, Gujarat, India
Bachelor of Technology in Artificial Intelligence and Machine Learning; CGPA: 9.4 2023 – 2027

CERTIFICATIONS

- **Artificial Intelligence Fundamentals** - IBM
- **Intermediate Machine Learning** - Kaggle
- **Getting Started with Deep Learning** - NVIDIA
- **Data Fundamentals** - IBM
- **Academy Accreditation - Generative AI Fundamentals** - Databricks
- **DSA using Java** - NPTEL (Top 5% Toppers)

COMPETITIONS & ACHIEVEMENTS

- **DoseHack 24 Hackathon** - Meditab: 24-hour hackathon focused on Reinforcement Learning.
- **Codeforces Rating** - 796: Active participant in coding contests.
- **LeetCode Contest Rating** - 1512: Regularly participate in LeetCode contests.
- **Road Safety Hackathon:** Contributed to tech solutions for road safety.