

NIHAL HT

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Career Objective

Driven by a track record in developing AI-driven solutions, I seek roles in AI/ML Engineering, Full Stack Development, and Data Science to apply expertise in building scalable systems and data analytics platforms. I deliver practical innovations through secure, efficient code and cross-functional team leadership, with hands-on experience building predictive models achieving up to 94% accuracy using TensorFlow, PyTorch, and AWS.

Education

Navkis College of Engineering, Hassan	2021 – 2025
Bachelor of Engineering in Artificial Intelligence & Data Science, VTU, CGPA: 7.75	
Mahesh PU College, Hassan	2021
12th Grade, 72%	
SVM English High School, Hassan	2019
10th Grade, 80%	

Technical Skills

- **Programming Languages:** Python, C, SQL, Solidity
- **Data Management:** MySQL, PostgreSQL, MongoDB, NoSQL
- **AI & Machine Learning:** TensorFlow, PyTorch, scikit-learn, Keras, OpenCV, NLP (spaCy, NLTK)
- **Large Language Models:** Hugging Face Transformers, OpenAI API Keys
- **Web Development:** Django, FastAPI, RESTful APIs
- **Tools & Platforms:** Git/GitHub, Jupyter, Streamlit
- **Blockchain Technology:** Smart Contracts, Web3.js, Ethereum

Experience

TechCiti Private Limited, Bengaluru, India	2024
Software Development (AI/ML) Intern	
10 SECONDS, Remote (NICC)	2022
Cyber Security Intern	

Projects

AI & Blockchain-Based Student Performance Data Analysis (2025)
Developed an analytics platform combining machine learning with blockchain security, achieving 92% accuracy in performance forecasting. Built a secure data pipeline with smart contracts for tamper-proof records.
Crop & Fertilizer Prediction Using AI & ML (2024)
Created an agricultural system with 89% accuracy using Random Forest and XGBoost. Integrated weather API and soil data via Flask backend, tailoring predictions to specific crop requirements.
Healthcare AI Diagnostic Assistant (2024)
Developed a CNN-based model with 94% accuracy for medical image analysis using OpenCV. Created FastAPI RESTful API integrated with hospital systems; implemented secure authentication and HIPAA-compliant (Insurance data handling).

Certifications

Full Stack Web Development – Udemy (2023) | Cyber Security Fundamentals – NICC (2023)
Python for Data Science – DataCamp (2023)

Key Achievements & Leadership

- Educated local farmers on maximizing crop yields by advising on fertilizer types, quantities, and usage tailored to their specific crops, fostering sustainable and efficient agricultural practices.