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OBJECTIVE - I am an IT student with Practical experience in Python, machine learning basics, and genetic algorithms. I'm looking for a role where I can use these skills, learn more from real projects, and grow in the field of AI.

EDUCATION

S.NO	COURSE	SCHOOL/COLLEGE	UNIVERSITY/ BOARD	PERCENTAGE/CGPA	YEAR OF PASSING
1	UG (B.Tech IT)	Hindusthan Institute of Technology	AUTONOMOUS	7.81	2026
2	HSC	Sri Sowdeswari Vidyalaya Mr.Hr.Sec School	Matric	63%	2022
3	SSLC	Sri Sowdeswari Vidyalaya Mr.Hr.Sec School	Matric	60%	2020

SKILLS

- Programming Languages: Python, Java
- Stack : Frontend(HTML,CSS)
- Machine Learning Tools: Scikit-learn, TensorFlow (basic), OpenCV, Keras
- Data Handling: Pandas, NumPy
- Concepts: Supervised & Unsupervised Learning, Genetic algorithms , Model Evaluation
- Version Control: Git, GitHub
- Other Skills: Basic Deep Learning, NLP (beginner level) , Docker (Deployment)

ACHIEVEMENTS

- 1st Place (Poster Presentation) and 2nd Place (Paper Presentation) – Convergence 2025, Nehru Institute of Technology – Mar 20, 2025
- 2nd Place – Project Palooza, Sri Ramakrishna Engineering College – Oct 4, 2023
- 1st Place – Paper Presentation and Poster Designing, KG College of Arts and Science – Sept 16, 2023

- 1st Place – Idea Presentation (Spectra Craft), Sri Krishna College of Engineering and Technology – Sept 21, 2023
- Actively participated in national-level tech events and Hackathons to sharpen practical skills

SOFTSKILLS

- **Teamwork** – Worked closely with peers during Events and hackathons to build complete solutions under tight deadlines
- **Problem-Solving** – Found creative ways to apply ML techniques in projects like Diabetes prediction and road safety
- **Communication** – Presented ideas clearly in paper presentations and project expos, winning multiple prizes
- **Self-Motivation** – Took initiative to learn machine learning and complete a hands-on internship beyond classroom learning
- **Time Management** – Balanced academic work, internships, and multiple competitions effectively

PROJECTS

- **Diabetes Prediction Using Deep Learning** - Built and evaluated a deep learning model using the Pima Indians Diabetes dataset with Keras. Achieved 80% accuracy and implemented model saving/loading for reuse and testing on unseen data.
- **Vehicle Detection Using OpenCV** - Used CascadeClassifier and OpenCV with live video feed (via mobile IP cam) to detect vehicles moving in different directions. A simple and practical intro to real-world computer vision.
- **Real-Time Motion Detection & Alert System** - Developed a motion alert system using OpenCV and an IP camera. Detected motion via frame differencing and triggered alerts based on movement intensity.

INTERNSHIP EXPERIENCE

- **Machine Learning Intern**
NoviTech R&D Pvt Ltd, Coimbatore | Dec 2024 – Feb 2025
Worked on real-time ML and computer vision projects using Python, OpenCV, and TensorFlow. Gained hands-on experience in deep learning, NLP, image processing, and GUI integration.
- **Full Stack Development Intern**
VEI Technologies Pvt Ltd | Jul 3 – Jul 23, 2024
Completed a 21-day internship covering frontend and backend concepts in full stack development. Focused on HTML, CSS, and project-based learning.

DECLARATION:

I do hereby declare that the above information is true into the best of my knowledge and belief.

S. TARUN KUMAR