

Summary

Machine Learning enthusiast and Full-Stack Web Developer with hands-on experience in building data-driven applications and scalable web platforms. Skilled in Python, Node.js, and modern ML libraries to develop predictive models and intelligent systems. Experienced in end-to-end project development including data preprocessing, model training, API development, and deployment. Passionate about solving real-world problems using AI, with a strong foundation in Data Structures, Algorithms, and software engineering principles.

Education

- **Adani University, Ahmedabad** *July 2023 – August 2027*
Bachelor of Technology in Computer Science Engineering (AI & ML) CGPA: 7.70 / 10

Personal Projects

- **BookSwap Hub – Used Book Marketplace** (🔗) 2026
Full-Stack Web Application for buying and selling second-hand books
 - Tools & technologies used: HTML, CSS, JavaScript, Node.js, Express.js, SQLite
 - Developed RESTful APIs for managing users, books, cart, and orders. Implemented authentication and responsive UI, enabling seamless user experience for book exchange.
- **MediScan-AI – AI Healthcare Assistant** (🔗) 2025
Machine Learning based system for disease prediction and medical insights
 - Tools & technologies used: Python, Pandas, NumPy, Scikit-learn, Web Deployment
 - Built and deployed an AI-powered application to analyze symptoms and predict diseases using supervised learning. Focused on accuracy, usability, and real-world healthcare application.
- **Human Following Car Robot – IoT Project** 2025
Autonomous robot designed to detect and follow a human in real-time
 - Tools & technologies used: Arduino Uno, Motor Driver, Ultrasonic Sensor, Infrared Sensors
 - Developed a smart robotic system capable of real-time human detection and tracking, contributing toward personal assistance and automation applications.

Technical Skills and Interests

Languages: Python, JavaScript, C

Developer Tools: Git, GitHub, VS Code, Jupyter Notebook, PyCharm

Frameworks & Libraries: Node.js, Express.js, NumPy, Pandas, Scikit-learn, Matplotlib

Cloud/Databases: AWS, SQLite

Machine Learning: Supervised Learning, Model Training & Evaluation, Data Preprocessing, Feature Engineering

Core Concepts: Data Structures & Algorithms, Object-Oriented Programming, REST API Development

Soft Skills: Problem Solving, Analytical Thinking, Communication, Team Collaboration

Areas of Interest: Machine Learning, Artificial Intelligence, Backend Development, AI-driven Applications

Achievements

- **AWS Cloud Foundations Certification (Credential URL)** 2025
- **AWS Machine Learning Essentials Certification (Credential URL)** 2025
- **Anthropic AI Fluency for Students (Credential URL)** 2026