

Manvi Jain

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EDUCATION

Dayalbagh Educational Institute

Bachelor of Technology -Electrical with Computer Science; CGPA: 8.29/10.0

Agra, India

Aug 2023 – May 2027

Dayalbagh Educational Institute

Diploma in Electronics Engineering; CGPA: 8.61/10.0

Agra, India

2022 – 2024

TECHNICAL SKILLS

Languages: Python, C++, C, SQL, JavaScript, HTML/CSS, Bash

ML/AI: PyTorch, TensorFlow, Scikit-learn, Computer Vision, NLP, Hugging Face Transformers

Frameworks & Tools: React Native, FastAPI, Docker, Git, Linux, Pandas, NumPy, Matplotlib, OpenCV

Databases: PostgreSQL, SQLite, FHIR | **Cloud:** Google Colab, Cloud-based ML Pipelines

PROFESSIONAL EXPERIENCE

AI & Cloud Computing Intern

AICTE – Shell India – Edunet Foundation

July 2025 – Aug 2025

Remote

- Built EV price prediction model with Random Forest and Gradient Boosting achieving **87% R² score** on 8K+ records through feature engineering, hyperparameter tuning, and advanced preprocessing techniques
- Deployed cloud-based ML pipeline on Google Colab with comprehensive EDA, improving model accuracy by **12%**

Python Development Intern

Hankernest Technologies Pvt. Ltd.

June 2024 – July 2024

Agra, India

- Engineered web scraping automation with BeautifulSoup and Selenium, processing **10K+ records daily** and reducing manual effort by **70%** with robust error handling and multithreading optimization
- Built data analysis pipelines with Pandas/NumPy and automated reporting systems, decreasing execution time by **40%**

Linux System Administration Intern

Genisup India Pvt. Ltd.

May 2024 – Aug 2024

Remote

- Developed Bash and Python automation scripts for system monitoring and log analysis, reducing downtime by **35%** through proactive maintenance and optimized configurations

TECHNICAL PROJECTS

AI-Driven Rural Healthcare Platform | React Native, FastAPI, PostgreSQL, Docker, WebRTC

2024

- Architected full-stack telemedicine platform supporting **80+ concurrent video sessions** with <200ms latency using WebRTC, serving 300+ patients with **99% uptime** through offline-first EHR with SQLite-PostgreSQL sync
- Integrated LLM-based multilingual translation for 5+ Indian languages using Hugging Face Transformers with FHIR compliance, containerizing microservices with Docker to reduce response time by **45%**

Face Recognition Authentication System | Python, OpenCV, Dlib, PyTorch, SQLite

2024

- Built real-time face detection system with CNN-based deep learning achieving **95% accuracy** and sub-100ms latency, implementing facial landmark detection with anti-spoofing measures for 50+ users

AI Desktop Voice Assistant | Python, Speech Recognition, NLP

2024

- Developed voice-activated assistant with NLP capabilities achieving **92% command recognition accuracy** across various acoustic conditions for weather updates and web navigation

Dual Axis Solar Tracking System | Arduino, Embedded Systems, C++

2023

- Designed automatic solar panel system with Arduino and PID control algorithm achieving **35% energy efficiency improvement** through real-time sun-tracking using LDR sensors and servo motors

ACHIEVEMENTS & CERTIFICATIONS

National Semi-Finalist, Flipkart GRiD 7.0

NCC 'A' & 'B' Certificates: Ministry of Defence – Leadership training and community service

Certifications: Python Essentials I & II (Cisco), C++ & Python (GeeksforGeeks), Digital Manufacturing Bootcamp