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SUMMARY

Results-driven AI and machine learning specialist with expertise in deep learning, computer vision, and NLP. Skilled in developing scalable AI solutions, achieving 97% accuracy in diagnostic systems, and enhancing user experiences through innovative chatbot integration. Proven ability to analyze large datasets, automate workflows, and deliver impactful results in healthcare and technology domains.

SKILLS

- Programming Languages:** Python, C++, JavaScript, HTML, CSS
- Machine Learning Tools:** TensorFlow, Keras, Scikit-learn, OpenCV
- Data Science:** Feature Engineering, Dataset Preprocessing, Statistical Analysis
- Frameworks:** Streamlit, Flask, LangChain
- Version Control & Deployment:** Git, Docker, REST APIs

EDUCATION

- B.Tech in Electronics and Communication**
Indore Institute of Science and Technology | Indore, India (2022 – Present)
- 12th Grade (88%)**
Career Academy | Indore, India (2021–2022)

PROJECTS

Health Assistant Chatbot (07/2024 – Present)

- Developed a chatbot using **LangChain**, handling **500+ queries monthly** for symptom-based disease predictions.
- Delivered personalized health tips with **90% confidence scores**.

DiagnosisX: AI-Powered ECG Diagnosis System (02/2024 – 04/2024)

- Achieved **97% accuracy** on a **20,000-sample ECG dataset** with predictions across **25+ classes**.
- Built a **Streamlit interface** for real-time diagnostics, reducing time per case by **70%**.

Gesture-Based Game Control System (10/2022 – 07/2023)

- Enabled **gesture-based interaction** using **OpenCV**, achieving **95% accuracy** for real-time control.
- Improved accessibility for **100+ users**, replacing keyboard and mouse reliance.

ACHIEVEMENTS

- Clash Hackathon Winner (03/2024):** Led a team of **5** to develop a budget-tracking system, reducing cash flow errors by **20%**.
- Innovative Idea Presentation Winner (08/2022):** Developed an **automatic attendance system** using facial recognition, presented to an audience of **50+ educators**.
- Technex 2022 (Mage): Runner-Up (03/2022):** Designed a **fixed-wing Mars rover model**, earning **2nd place** among **500+ participants** in an IIT BHU-organized event.

AREAS OF INTEREST

- Deep Learning Applications in Healthcare
- Natural Language Processing (NLP)
- Predictive Modeling and Big Data Analytics
- Human-Computer Interaction