Aditya Suyal

in aditya-suyal
Adirohansuyal
Portfolio

✉ adityasuyal@birlainstitute.co.in
📞 7895310506
📍 Haldwani, Uttarakhand, India

EXPERIENCE

Artificial Intelligence Intern   Remote
Shell Global   *01/2025 - 04/2025*
- ○ Fondations in AI Technologies

Artificial Intelligence Intern   Remote
Infosys SpringBoard   *06/2025 - Present*
- ○ program focused on AI and related technologies, working on real-world projects with expert guidance

PROJECTS

HealthMate AI – AI-Powered Healthcare Diagnosis and Assistant Tool   04/2025 - 05/2025
Github
- ○ Python, Streamlit, OpenCV, Scikit-learn, NLP

  Developed an AI-based system to assist users with preliminary health diagnostics and recommendations. Integrated symptom analysis using NLP and deployed as an interactive web app via Streamlit.

Exoplanet Confirmation and Description Model (NASA Data)   10/2024 - 01/2025
Github
- ○ Python, Pandas, Scikit-learn, Matplotlib, NASA Kepler Dataset

  Developed a machine learning pipeline to identify and describe potential exoplanets. Used classification models trained on NASA's Kepler and TESS datasets.

Forest Fire Risk Simulation & Analysis (Uttarakhand Case Study)   06/2025 - Present
Github
- ○ Python, GeoPandas, Folium, Machine Learning, Custom GeoJSON Mapping

  Simulated and visualized fire-prone areas in Uttarakhand using real geospatial data. Built a predictive model to simulate spread over time and aid emergency preparedness.

FaceMark Pro – Automated Attendance System   05/2025 - Present
Github
- ○ Python, OpenCV, Face Recognition, QR Code, SQLite, Tkinter

  Built an end-to-end attendance system using facial recognition, QR scanning, and absence tracking. Automated student attendance for classrooms and small institutions, reducing manual workload. Integrated GUI and local database for real-time entry and retrieval.

EDUCATION

Birla Institute of Applied Sciences   Bhimtal, Uttarakhand
B.Tech - Computer Science and Engineering - 7.2 CGPA   *2023 - 2027*

Aryaman Vikram Birla Institute of Learning   Haldwani, Uttarakhand, India
High School and Seconday School - PCM with Computer Science - 90 %   *2018 - 2023*

SKILLS SUMMARY

- **Languages**   Python, SQL, Java, C++,
- **Frameworks**   NumPy, Pandas, Scikit-learn, TensorFlow, PyTorch, Keras, OpenCV, Matplotlib, Seaborn, Plotly, Hugging Face Transformers, LangChain
- **Databases**   MySQL, MongoDB
- **Tools**   Jupyter Notebook, Google Colab, VS Code, Streamlit, Anaconda, Git, GitHub, Microsoft Power BI, Excel, AWS (basic ML services)

CERTIFICATIONS

- **Applied Data Science Lab Certificate**   - World Quant University
- **Masters in Generative AI and LLMs**   - GeeksforGeeks
- **Applied AI Lab: Deep Learning in Computer Vision**   - World Quant University
- **Certified Data Analyst (Python)**   - freeCodeCamp
- **SQL (Advanced)**   - HackerRank

GEO DATA SHARING AND CYBER SECURITY

- Completed a certified training program by the Indian Space Research Organisation (ISRO) on secure methods of geo-data sharing and cyber security practices. Gained insights into spatial data infrastructure, data privacy, cyber threat mitigation, and the protection of critical geospatial information