

Raghav Gaur

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EDUCATION

Invertis University

Bachelor of Computer Science in Artificial Intelligence

GPA: 3.56/4.0 (8.91/10)

Bareilly, Uttar Pradesh

Aug. 2023 – May 2026

ITCE

Advance Diploma in Information Technology

Bareilly, Uttar Pradesh

Oct. 2021 – Jan 2023

TECHNICAL SKILLS

Languages: Python, MYSQL, JavaScript, Html/CSS

AI/ML Tools : Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, TensorFlow, PyTorch

Developer Tools: Git, Power BI, Excel (ADVANCED), Amazon S3

GenAI & LLMs: LangChain, Transformers, RAG Framework

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

EXPERIENCE

Junior Data Scientist

AcademyXcel Solutions

Jun 2025 – Present

Noida, Uttar Pradesh

- Designed and implemented **end-to-end ML solutions** for client projects, transforming raw business data into actionable predictions and improving model performance across key metrics.
- Engineered **robust data pipelines and feature engineering workflows** using Python, SQL, and Pandas, enabling faster experimentation and high-quality datasets for modeling.
- Delivered **data-driven insights and visual analytics** that supported strategic decision-making, reducing client operational inefficiencies and enhancing analytical maturity.

Data Science Intern

Celebal Technologies

Jun 2025 – Aug 2025

Noida, Uttar Pradesh

- Built **CreditWiseAI**, a real-time credit risk prediction app using **Streamlit** and **Random Forest**, achieving **90%+ precision**.
- Engineered an interactive **multi-tab UI** with categorized inputs, **SHAP-based explainability**, and SQL-backed logging for real-time, auditable credit decisions.
- Integrated a **GenAI-powered chatbot** using **LangChain** and **RAG** for domain-specific, retrieval-augmented responses on financial concepts and credit policies.
- Strengthened expertise in **Feature Engineering, Regression, Clustering, SQL, and Prompt Engineering**.

PROJECTS

ColorWave – SAR Image Colorizer Model | Python, Pytorch, GANs, UNet, Streamlit, Docker [GitHub]

- Engineered a production-ready deep learning system to transform grayscale SAR images into realistic RGB visualizations using **UNet, GANs**, and attention-based architectures.
- Achieved high-quality results with **PSNR 28+**, **SSIM 0.89**, and **LPIPS 0.07**, outperforming baseline models.
- Designed a **full preprocessing → training → inference pipeline** with tile-based large-image handling and GeoTIFF support.
- Built an interactive **Streamlit web app** and **Dockerized deployment** enabling real-time SAR image colorization.
- Implemented automated evaluation tools and experiment tracking using **TensorBoard, W&B, and MLflow**.

ResQron – AI-Powered Disaster Response System | Python, TensorFlow, IoT, Swarm AI [GitHub]

- Designed an **autonomous AI system** combining **Swarm AI** and **Thermal Imaging** to detect survivors and predict disasters.
- Built **ML models** for real-time anomaly detection using image and sensor data.
- Implemented **AI navigation and obstacle detection** algorithms, improving rescue accuracy and speed.
- Winner – HackBhoomi 2025**, shortlisted for **Smart India Hackathon (SIH2025047)**.

CERTIFICATION

Google Data Analytics Professional Certificate - **Coursera**

Data Analytics and Visualization Simulation Certificate - **Accenture**

Deloitte Data Analytics Simulation Certificate - **Deloitte (Forage)**

SQL(Advanced) Certificate - **HackerRank**

ACHIEVEMENTS

Winner — HackBhoomi 2025 | *Shortlisted for Smart India Hackathon (SIH2025047)*

[ResQron]

- Developed an **AI-powered disaster response system** integrating *Swarm AI* and *Thermal Detection*.