DEVANSHU KUMAR PRASAD

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Education

Ganga Institute of Technology and Management Aug. 2024 – Jul. 2027
Bachelor of Technology, CSE *Jhajjar, Haryana*

Government Polytechnic Adityapur Dec. 2021 – Jul. 2024
Diploma, CSE *Jamshedpur, Jharkhand*

Experience

Infotact Solutions May 2025 – Aug. 2025
Data Associate L1 Intern *Remote*
- Developed a **movie recommendation system** using **SVD** and **KNN** models, achieving **81.02% Precision@10** and **0.766 RMSE**.
- **Led** the project team, coordinating tasks and managing timelines to ensure successful, on-time delivery of the project.

Edunet Foundation – AICTE & Shell Mar. 2025 – Apr. 2025
Artificial Intelligence Intern *Remote*
- Designed and trained a **CNN model** for forest fire detection, achieving over **90% accuracy** on a large aerial image dataset.
- Implemented optimized **data preprocessing** and **batch training** techniques, **reducing false alarms by 30%** and managing GPU overhead.

Edunet Foundation – Microsoft Apr. 2025 – May 2025
Artificial Intelligence Intern *Remote*
- Completed an intensive, mentor-led training program focused on the **Microsoft AI ecosystem** and its real-world applications.
- Gained practical knowledge of **Azure AI services** and **Azure Machine Learning** for building and deploying scalable ML models.

Edunet Foundation – Microsoft & SAP Dec. 2024 – Jan. 2025
Artificial Intelligence Intern *Remote*
- Developed a **Plant Disease Detection model** using **TensorFlow** and **Scikit-learn**, achieving **92% accuracy** in disease classification.
- Processed and analyzed a dataset of over **10,000+ leaf images**, applying **Python** and **Pandas** for preprocessing and model training.

Projects

AI-Powered Loan Underwriting Engine (LEUDE) | *Go, Python, Next.js, Docker, Kafka, Neo4j* Oct. 2025 – **Present**
- Engineered the "Digital Filer" MVP by building a **Go (Golang)** microservice and a **Next.js** portal, orchestrating the full dev environment (**PostgreSQL, Kafka, MinIO**) with **Docker Compose**.

AI Career Companion – Education & Career Assistant | *Python, GenerativeAI, Pandas, Numpy* April 2025
- Developed a **GenAI-powered assistant** for career guidance, integrating Gemini Pro with **session tracking, logs, and CSV export** for analytics.

Forest Fire Detection using Deep Learning | *Python, TensorFlow, Matplotlib* Apr. 2025 – Mar. 2025
- Trained a CNN model for forest fire detection, achieving over **90% accuracy** and **reducing false alarms by 30%** through optimized preprocessing.

Plant Disease Detection System | *Python, Numpy, Scikit-learn, Tensorflow* Dec. 2024 – Jan. 2025
- Achieved **92% accuracy in detecting** plant diseases by processing and analyzing **10k+ leaf images** with a DL model.

Skills

Languages: Python, C/C++(Data Structures), MySQL, Bash
Frameworks/Libraries: Pandas, NumPy, Scikit-Learn, TensorFlow, Keras, Matplotlib, OpenCV, GenAI, DBeaver
Developer Tools: Git(Version Control), Jupyter Notebook, Docker, GCP & Console, AWS
Soft Skills: Strong communication and collaboration, proficient in technical writing, report generation, and documentation, effective stakeholder coordination, and technical presentation skills.
Coding Profiles: GeeksforGeeks, LeetCode

Certifications

- **Python Programming** (GUVI)
- **Google Business Intelligence** (Google)
- **Google Cloud Certification** (CloudSkill Boost)
- **AWS Cloud Practitioner Essentials** (AWS)

Extracurricular

Summer Analytics Hackathon – IIT Guwahati August 2025
*Secured a **winning position**, by ranking among the **top 50** participants in a national-level event.* *Winner*

Code in Place – Stanford University April 2025
*Participated in **Stanford's** introductory **Python course**, building foundational programming skills.* *Participant*

Forward Learning Program – McKinsey & Company March 2025
*Selected for **McKinsey** Forward Learning; completed 40+ hours of **case-based critical thinking**.* *Forward Learner*