AMAN GUPTA

CSE - DATA SCIENCE

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Portfolio- https://dynamic-personal-pro-og4m.bolt.host/

SUMMARY

B.Tech CSE (Data Science) student with a SGPA of 9.76 at Jain University, graduating in 2027. Skilled in Python, Java, C++, Android development, and big data technologies. Hands-on experience through internships in Data Science and Android App Development, building projects in ML, AI, and real-time systems. Passionate about creating impactful solutions such as a sign language translator, mental health predictor, demistifying the legal document and AI-driven road detection. Strong balance of academic excellence, technical expertise, and practical problem-solving.

WORK EXPERIENCE

- **Data Science Intern** | RD-Infro-Technology | Jan – Mar 2025

Built ML models in Python & Colab (anomaly detection, regression, classification, time-series).

Projects: Fraud Detection, Movie Ratings, Sales Forecasting, Titanic Survival.

Github: github.com/amangupta982/RD-INFRO-TECHNOLOGY

- **Android App Development** | CodSoft | Jun – Jul 2025

Developed Android apps in Java using Android Studio with emphasis on functionality and UI/UX. Built a Quiz App and To-Do List App featuring categories, scoring, and smooth navigation.

GitHub: https://github.com/amangupta982/Quiz-App.git

SKILLS (TECHNICAL)

- **Programming Languages:** Java, Python, MySQL,HTML, CSS,C,C++
- **Frameworks:** TensorFlow, PyTorch, HuggingFace, OpenCV,Flask
- **Concepts:** OOPS, DBMS, DSA , ML, DAA, Computer Network , Machine Learning
- **Tools&Platforms:** Git/GitHub, VS Code, Google Colab, Android Studio

PROJECTS

AI Road Damage Detection System | Python, TensorFlow, OpenCV   **- ongoing**

- Built real-time pothole & crack detection model using CNNs and OpenCV
- Achieved 92% accuracy on KITTI dataset.

Generative-AI for Demystifying the Legal Documents | Python, Transformers, OCR, NLP, Flask

- Developed AI tool to simplify contracts and highlight high-risk clauses using LLMs & OCR
- Added clause comparison + compliance checklist features for faster legal understanding

Multilingual AI Translator (Nepali & Sinhala) | Python, PyTorch, HuggingFace, M2M-100/NLLB, Tesseract, Flask, SQLite

- Developed offline/online image-to-image and PDF-to-PDF translator for Nepali & Sinhala to English using transformer models
- Integrated OCR + Transformer models with batching & caching for 35% faster inference

Sign Language Translator | CNN, MediaPipe, OpenCV   **- ongoing**

- Real-time hand gesture → text converter using MediaPipe key-points + CNN
- Working on to improve accuracy upto 95% with live camera stream translation

Viewership trend on recently uploaded YouTube video

- **Program/Tool:** Python, Pandas, Matplotlib
- Developed a Video Insights Tool that provides details of uploaded videos with graphical representation of views based on user-selected days.

EDUCATION

B.Tech – CSE(Data Science)
   Jain Deemed-to-be University — Jun 2025 – (4th Semester) SGPA: [9.76]
   Jain Deemed-to-be University — Jan 2025 – (3rd Semester) SGPA: [9.7]

12th – CBSE board
   DAV RB Kedia Higher Secondary School – Percentage :78% (2023)

10th – NEB board
   Gautam Secondary School — Percentage : 92% (2021)

CERTIFICATIONS

   -Earned Certificate for Data Visualization Workshop on Power BI
   -Earned Certificate for slection in Internal Hackathon of Sih 2025
   -Earned "Introduction to Operating Systems" from Coursera
   -Earned "Web Development Fundamentals" from IBM SkillsBuild
   -Earned "Algorithm for Searching , Sorting, Indexing" from Coursera
   -Earned "Data Science 101" from IBM SkillsBuild
   -Earned "Ask Questions to Make Data-Driven Decisions " from Coursera

ADDITIONAL INFORMATION

 Skills: Problem-Solving | Teamwork | Leadership | Adaptability | Communication |
 Time Management