Udit Aggarwal

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SUMMARY

Detail-oriented engineering student with practical experience in SAP ABAP, Android development, and machine learning. Proficient in Java, C++, Python, and deep learning frameworks with a portfolio of projects including a cross-platform mobile app and an image recognition model. Possesses a strong foundation in data structures, algorithms, OOPS, and DBMS.

SKILLS

Machine Learning: PyTorch, Scikit-learn, NumPy, Pandas, CNNs, Transfer Learning, Data Preprocessing, Model Deployment

Languages: Python, Java, C++, C#, SQL

Frameworks/Tools: .NET MAUI, Android SDK, Flask, Git, GitHub, Linux, Visual Studio

Core Concepts: DSA, OOPS, DBMS, AI/ML, Mobile UI/UX, LLM Fundamentals

EXPERIENCE

SAP Development Intern – Future Labs Technology   June 2025 – Aug 2025

- Developed and optimized SAP ABAP modules to enhance workflow automation.

- Implemented custom Z-tables, efficient SELECT logic, and data models for performance gains.

- Debugged reports, enhancements, and function modules in production-grade SAP systems.

PROJECTS

Pneumonia Detection System — PyTorch, Flask   Published: September 2025

- Trained ResNet18 with weighted loss to address dataset imbalance.

- Built an end-to-end Flask inference API for real-time X-ray classification.

- Designed preprocessing pipeline with augmentation and normalization.

- Achieved 96.34% accuracy in validating the model.

Digital Twin System for Rumor Analysis — ML/NLP   Published: October 2025

- Engineered threat-scoring models for misinformation detection.

- Implemented modules for sentiment, virality prediction, and propagation analysis.

- Designed architecture for Digital Twin simulation of rumor spread.

- Used pre-trained model for fine-tuning to execute the task.

- Achieved 93.4% accuracy for sentiment model, 94.51% accuracy for stance model.

EDUCATION

Amity University, Noida — B.Tech CSE | CGPA: 7.4   Expected June 2026

Lovely Public Sr. Sec. School — CBSE | 82.4%   Graduated 2022