

# Udit Aggarwal

+91-8800201753 | [uditagg2004@gmail.com](mailto:uditagg2004@gmail.com) | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

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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.

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## 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

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## 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.
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## 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.
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## EDUCATION

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

Expected June 2026

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

Graduated 2022