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

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

Frameworks & Tools: Android SDK, Jetpack Compose, .NET MAUI, Firebase

ML & Data: NumPy, Pandas, Scikit-learn, PyTorch

Concepts: Data Structures and Algorithms, OOPS, DBMS, AI, Machine Learning, Mobile UI/UX Design, Large Language Models

Developer Tools: Git, GitHub, Linux, Visual Studio

Work Experience

Future Labs Technology | Business Applications Trainee   Jun 2025 - Aug 2025

- o Designed, developed, and maintained features for SAP applications using ABAP to enhance business processes.
- o Applied efficient coding practices and data modelling techniques to improve application performance and stability.
- o Collaborated in a professional development environment to debug and resolve technical issues, strengthening problem-solving skills.

Key Projects

- **Who Let Me Cook!** - AI Powered Recipe App   Published: Ongoing
  Developed a cross-platform mobile recipe app for Android and iOS using .NET MAUI and the MVVM architecture.

- **Pneumonia Detection System**   *Publisher September 2025*
  This project is an end-to-end AI system for detecting pneumonia from chest X-rays. A ResNet18 deep learning model was trained in PyTorch, addressing class imbalance with a weighted loss function. The model is served via a Flask backend to a futuristic, interactive web interface for real-time image analysis.

- **Image Recognition on FashionMNIST Dataset Using CNN**   *Published: May 2023*
  Implemented a Convolutional Neural Network (CNN) to classify images of clothing articles from the FashionMNIST dataset. Pre-processed data using rescaling and augmentation techniques to improve model generalization and prevent overfitting.

- **Sentiment Analyser**   *Publisher September 2025*
  Developed a multi-lingual sentiment analyser using Gemini API and Streamlit for UI.

Education

- o Amity University, NOIDA   Expected 2026
  B. Tech in Computer Science and Engineering - CGPA: 7.4
- o Lovely Public Sr. Sec. School, New Delhi   Graduated 2022
  CBSE Board - Result: 82.4%

Certifications

- Introduction to Model Context Protocol – Anthropic (Aug 2025) [View Certificate]
- Model Context Protocol Advanced Topics - Anthropic (Aug 2025) [View Certificate]