

Udit Aggarwal

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

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

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

- [Image Recognition on FashionMNIST Dataset Using CNN](#)

Published: May 2023

Tools: PyTorch, Matplotlib

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.

Achieved 94% validation accuracy by engineering a network with Conv2D, MaxPooling2D, and Dropout layers for enhanced performance.

- [Who Let Me Cook!](#) - AI Powered Recipe App

Published: Ongoing

Tools: .NET MAUI, C#, XAML

Developed a cross-platform mobile recipe app for Android and iOS using .NET MAUI and the MVVM architecture.

Integrated TheMealDB API for recipe data and the Google Gemini API to dynamically simplify cooking instructions and scale ingredient quantities based on user input

Education

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

Expected 2026

Graduated 2022