

Abubaker Chughtai

Software Engineering Student | Python, FastAPI and AI/ML Projects

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

PROFILE

Software Engineering student at UMT Lahore building practical systems across backend development, machine learning deployment and relational databases. Brings hands-on academic project experience together with customer support, CRM record management and education-sector operations.

TECHNICAL SKILLS

Languages: Python, C++, JavaScript, HTML, CSS, SQL, Assembly (EMU8086)
Engineering and AI: FastAPI, DistilBERT, machine learning deployment, requirements engineering, system design
Data and tools: Relational database design, 3NF normalization, stored procedures, EER diagrams, CRM, Google Workspace, Microsoft Office

SELECTED PROJECTS

Full-Stack Sentiment Analysis

Python, FastAPI, DistilBERT, HTML

- Built a movie-review classifier with a DistilBERT model, FastAPI service layer and browser-based frontend.

LibTrack - Library Management

SQL, Database Design

- Designed an online library data model using EER diagrams, 3NF normalization and stored procedures for core operations.

Smart Waste Management

Requirements Engineering, SRS

- Produced requirements, system design and structured documentation for a smart waste-collection concept.

Phone Directory and Assembly Calculator

C++, DSA, EMU8086

- Implemented record search and management with data structures, plus a functional calculator in Assembly.

EXPERIENCE

Customer Service Sales Representative

Jan 2026 - Present

Pakistan Law Bot - Pixel PK

- Support customer queries and product use for Pakistan LawBot.
- Maintain lead records in CRM and Google Sheets to support accurate tracking and follow-up.

Educational Consultant

Jan 2024 - Present

Four partner schools, Lahore

- Coordinate school registration, Education Department requirements and BISE Lahore affiliation.
- Manage 9th and 10th grade registration and admission workflows across four institutions.

Account Manager

Jul 2024 - Dec 2025

Unique Science Academy - Shama Chapter

- Managed accounts, administrative operations and organized records supporting day-to-day coordination.

EDUCATION AND RESEARCH

BS Software Engineering

Oct 2024 - Present

University of Management and Technology (UMT), Lahore

ICS (Physics)

Aug 2022 - Apr 2024

Crescent Model Higher Secondary School

Course research: Effect of Incomplete Requirements on Software Quality - co-authored with Arbab Rasool and formatted to the IJSRP double-column template.