AMIR SAAD

Software Engineering Undergraduate | Application Development, Software Quality & AI Projects

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PROFESSIONAL PROFILE

Software Engineering undergraduate (CGPA **3.67/4.00**) with academic and personal projects spanning Java desktop applications, Python/AI prototypes, database-backed systems, Arduino builds and software requirements modeling. Familiar with software testing workflows and full-stack development technologies; brings practical communication and teamwork skills from teaching and collaborative project work.

EDUCATION

BS Software Engineering | Shifa Tameer-e-Millat University (STMU), Islamabad | **CGPA 3.67/4.00** | In progress

FSc Pre-Medical | Government College Peshawar | 88% | 2020–2021

Matriculation | Islamia Collegiate School, Peshawar | 86% | 2019–2020

TECHNICAL SKILLS

Programming and foundations: Java, Python, C++; object-oriented programming, data structures and algorithms

Web and databases: React, Node.js, Express.js, SQL, REST APIs; SQLite, MySQL

Desktop and AI tools: JavaFX, Swing, Streamlit; LLM APIs, RAG, ChromaDB; AI agents (currently exploring)

Software testing: Functional/regression testing, test-case design, defect reporting; TestRail, Testomat.io, Katalon Studio, Jira; Trello (workflow tracking)

Requirements and design: Requirements analysis, BRD, SRS, UML, OOAD; Figma, Axure RP, Canva

PROJECTS — SELECTED PORTFOLIO WORK

SkillSync | Java 17, JavaFX, SQLite, DSA

- Developed a desktop tool to match students with project partners through skill assessments and ranking logic, with connection-request workflows.

  Repository: github.com/AmirSaad1417/SkillSync

Idea Pressure Tester | Python, Streamlit, Gemini

- Built an AI-based startup-idea evaluation prototype examining investor, skeptic, customer and competitor perspectives to identify risks and weaknesses.

  Repository: github.com/AmirSaad1417/idea-pressure-tester

Line Follower Robot | Arduino, IR sensors, L298N

- Built a sensor-guided robot that follows marked paths using a five-channel IR sensor array and motor-control logic.

Agentic AI Workflow Automation (FYP) | Agentic AI, workflow automation | In progress

- Exploring intelligent task handling and practical workflow automation in an ongoing final-year project; not deployed or publicly available.

HireMe Agent | Python, Streamlit, Groq, APIs

- Developed a prototype for extracting CV information, identifying candidate skills and retrieving relevant job opportunities through external APIs.

  Repository: github.com/AmirSaad1417/hireme-agent

AMIR SAAD | DETAILED CV (CONTINUED)

PROJECTS — CONTINUED

Smart Water Tank Controller | Arduino, ultrasonic and flow sensors
- Built a monitoring and pump-control system supporting water-level tracking, flow measurement and leakage alerts.

Library Management System | Java, Swing, MySQL
- Created a desktop system for managing books, inventory, and issue/return records.

Repository: github.com/AmirSaad1417/library-management-system_JavaBased_2nd-Semester

Pakistan AI Tax Compliance Assistant | RAG, vector database, LLM APIs | Hackathon prototype
- Collaborated on a short-hackathon prototype for referenced tax information and estimated calculations; not a production tax-advice service.

QuickTestHub | Test management, software testing | In development/debugging
- Developing a private test-management application for test cases, execution tracking and defect reporting; not live or deployed.

Emergency Life-Saving System | BRD, SRS, UML, OOAD | Design only
- Produced requirements documentation and UML models for an emergency-assistance solution; academic design/documentation only.

EXPERIENCE

Teaching & Student Mentoring | Swat, Pakistan | 2021–2023
- Delivered classroom instruction and individual tutoring, adapting explanations to students' learning needs. Developed communication, mentoring and problem-solving skills through practical teaching experience.

TRAINING, COURSES & CREDENTIALS

Certificate in IT — Web Development | NAVTTC / NexGen Institute of Technology | June 2026

IBM / Coursera: What is Data Science? (July 2026) | Badge: Data Science Orientation
coursera.org/verify/EQNXBA1NG8A6

IBM / Coursera: Tools for Data Science (September 2026) | Badge: Tools for Data Science V2
coursera.org/verify/JGG0Z47YXX8L

IBM / Coursera: Data Science Methodology (October 2026) | Badge: Data Science Methodology
coursera.org/verify/TB1YEIMPX9RZ

EVENTS AND PROFESSIONAL LEARNING

- DEV WEEKEND — AWS Student Builder Group at Quaid-i-Azam University (participation)
- SSES Guest Speaker Session — Shifa Software Engineering Society, STMU
- National AI Hackathon & Agentic AI Workshop — atomcamp / FAST NUCES, Islamabad
- Microsoft Build // localhost: Islamabad — Microsoft Learn Student Ambassadors
- Indus AI Summit 2026 — Islamabad
- Digital Health Summit 4.0 — STMU
- Future-Intellica: From Learning to Industry — AI Innovation Society, STMU
- AI as a Tool, Not a Crutch — awareness webinar, January 2026

LANGUAGES

English, Urdu, Pashto