

# AHMAD FAIZ COMPUTER SCIENCE UNDERGRADUATE

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## EDUCATION

**School of Electrical Engineering & Computer Science (SEECS), NUST** Islamabad, Pakistan

*Bachelor of Science in Computer Science*

2023 - 2027 (*expected*)

- Current status: 4th Semester Undergraduate

**HH. Sheikh Zayed College**

RahimYarKhan, Pakistan

*FSc (Pre-Engineering)*

2020 - 2022

- Percentage: 94.3%

## TECHNICAL SKILLS

**Programming Languages:** Python, C/C++, Java, JavaScript

**Machine Learning:** ScikitLearn, NumPy, Pandas, Matplotlib

**Web Development:** HTML, CSS, JavaScript, Responsive Design

**Database:** SQL, PL/SQL, Firebase

**Computer Science:** Data Structures & Algorithms, Object-Oriented Programming (OOP)

**Networking:** Basic Networking (Cisco Packet Tracer), Wireshark

**Security:** Information Security Fundamentals

**Tools:** Figma, Microsoft Office Suite, Prompt Engineering

## CERTIFICATIONS

- **Supervised Machine Learning: Regression and Classification** – Stanford University
- **AI Fundamentals** – IBM SkillsBuild
- **CS188: Introduction to Artificial Intelligence** – UC Berkeley (Audit)
- **HarvardX: CS50's Introduction to Computer Science**

## PROJECTS

**ScheduleAI: AI-powered Time Scheduler**

*Academic Project*

2025

- Developed a full-stack AI web app using Python and Next.js for intelligent daily schedule generation.
- Implemented CSPs with AC3, backtracking, forward checking, and greedy algorithms for constraint-based scheduling.
- Helped integrate a custom-trained Hidden Markov Model (HMM) for converting natural language into scheduling constraints.
- Generated schedules with >90% satisfaction based on constraints and NLP inputs.

**IlmApp: Android Learning Platform**

*Academic Project*

2024

- Built an Android app providing features like notes, lectures, quizzes, live Zoom classes, and newsletter updates.
- Implemented user authentication with Firebase and real-time data using Firestore.
- Designed intuitive dashboard UI using XML layouts and custom Figma icons.
- Integrated Zoom SDK for live classes feature .
- Admin panel and access control built into the same app.

## AWARDS AND HONORS

- **Gold Badge**, HackerRank Python Programming / Problem-Solving

2025

## SOFT SKILLS

International Relations & Pitch Development  
Problem Solving & Critical Thinking  
Team Collaboration & Management  
Adaptability & Creativity

## LANGUAGES

**English:** Professional Proficiency  
**Urdu:** Native Proficiency

## INTERESTS

Machine Learning, Artificial Intelligence, Technology Innovation, Problem Solving, Software Development