

# TALHA JALIL

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## OBJECTIVE

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Senior Computer Science student in NUCES FAST, seeking internships

## EDUCATION

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**Bachelors in Computer Science**, FAST NUCES, Islamabad Expected 2025

Relevant Coursework: Data Structures, Algorithms, Operating Systems, and Computer Networks.

**Faculty of Science**, Punjab College, Gujranwala 2019 - 2021

## SKILLS

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**Technical Skills** Programming(Python, C/C++, Java), Android Development(Kotlin, Flutter), Database(SQL, no-SQL, MongoDB, Firebase)

**Soft Skills** Leadership, Problem Solving, Adaptability, Critical thinking

## EXPERIENCE

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**Media Head** Jan 2022 - June 2022  
**FQSS** Islamabad, Pakistan

- Achieved 30% social media awareness for FQSS using Videography and Editing skills.
- Developed promotional videos that highlighted the impact of sessions organized by FQSS.

## PROJECTS

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**MentorMe Android App using Kotlin.** Developed MentorMe, an Android app using Firebase. Implemented user authentication using **Firestore Authentication**, chat features, and push notifications. Ensured offline functionality and integrated **Agora API** for video/audio calls. Employed **Espresso testing** and **Picasso library** for enhanced user experience.

**Crystal Quest: Game Development Project.** Led development of "The Quest for the Crystal Kingdom" game project, featuring **AVL trees** for inventory, and custom implementations of **Floyd's, Prim's, Kruskal's, and Dijkstra's algorithms** in C++, demonstrating mastery in data structures, graph algorithms, and game design.

**Java Hostel Management System with MySQL.** Developed a Hostel Management System in Java, utilizing MySQL as the backend database. Employed Software Engineering **GoF** techniques and implemented a **three-layered architecture** for robustness and scalability.

**SQL-Driven TA and Lab Demonstrator Management System: Windows Forms Application in C-Sharp.** Implemented a TA and Lab Demonstrator Management System in **C-Sharp** with **Windows Forms**, utilizing an **SQL database** backend. Facilitates efficient task allocation, role-based access control, and detailed user profiles for administrators, faculty, TAs, and demonstrators.

## EXTRA-CURRICULAR ACTIVITIES

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- Volunteered with Capital Student Club, an NGO dedicated to impactful social work initiatives.

## LEADERSHIP

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- As a leader, I excel in guiding teams towards shared objectives and empowering individuals to reach their full potential. I prioritize open communication, adaptability, and proactive problem-solving to drive project success. My leadership style is characterized by leading by example and making tough decisions under pressure, earning the trust and respect of colleagues and superiors alike.