Huzaifa Tanzeel

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OBJECTIVE

Passionate software engineering learner driven to push technological boundaries. Seeking opportunities to contribute to innovative projects, develop skills, and thrive in a collaborative, growth-oriented environment that encourages continuous learning and creative problem-solving.

PROFESSIONAL JOURNEY

COLLABORATORS (Internee SDE)
📅 July 2023 - August 2023

FAST NUCES KARACHI BS(CS)
📅 August 2020 - July 2024
CGPA: 3.45 / 4.0

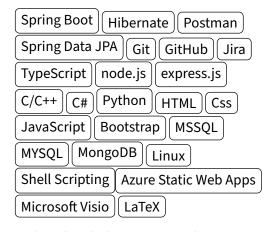### BAHRIA COLLEGE KARSAZ
Intermediate Pre-Engineering
📅 August 2018 - May 2020
88.5 percent | Among Top 20

CERTIFICATIONS

• **Learning Spring**-LinkedIn Learning
• **Foundations of Cybersecurity** -Google (Jul'23)
• **Postman API Testng** -LinkedIn Learning(Jun'23)
• **Programming for Everybody** (Getting started with Python) -Michigan

TECH SKILLS

`Spring Boot` `Hibernate` `Postman`
`Spring Data JPA` `Git` `GitHub` `Jira`
`TypeScript` `node.js` `express.js`
`C/C++` `C#` `Python` `HTML` `Css`
`JavaScript` `Bootstrap` `MSSQL`
`MYSQL` `MongoDB` `Linux`
`Shell Scripting` `Azure Static Web Apps`
`Microsoft Visio` `LaTeX`

HONORS & AWARDS

• **ICPC Asia Topi** Online Preliminary Qualifier Novemebr'23
• **4th place in Database Design** Competition **@Procom'23**
• **Hackoverflow Hackathon Finalist** (2023)
• **Dean's List** (Fall '21, Spring '22)
• **8th place** in Matric Science
• **12th place** in All Pakistan Maths challenge @mathletics (Oct 2012)

RECENT PROJECTS

REMOTE HEALTHCARE (Final Year Project)
📅 May 2023 - May 2024 (in progress)
Provides remote healthcare through three modules:
- Practice management system for doctors with patient portals and Telemedicine.
- Healthcare at the patient's doorstep using Medical IoT devices.
- Healthcare at Telehealth stations in remote areas with IoT devices.

DISASTER RELIEF MANAGEMENT SYSTEM
Database Systems (Project)
📅 Nov 2022 – Dec 2022
- Developed a platform to enhance the efficiency and effectiveness of disaster response operations and promote collaboration between government bodies and relief organizations.
- **ReactJS, ExpressJS,MySQL,Git and Github**.

CRYPTO EVALUATOR
Data Structures (Project)
📅 Dec 2021 - Jan 2022
- Conducted statistical analysis on cleaned data using various data structures such as **AVL Trees, Hashmaps, Array of Pointers, and Linked Lists**.

COVID VACCINE MANAGEMENT SYSTEM
OOP (Project)
📅 May 2021 - June 2021
- Developed a vaccine management system to coordinate vaccines and paramedical staff across vaccination centers using Object-Oriented Principles.

URDU NEWS CLUSTERING
Information Retrieval (Project)
📅 April 2023 - June 2023
- Implemented Urdu news clustering algorithm on headlines, overcoming language processing limitations. Achieved precision averages of 0.45 (micro) and 0.48 (macro) on datasets from Jang, BBC Urdu, Express, UrduPoint, and VOA Urdu.

OTHER PROJECTS
- WebRTC Video Chat Application.
- Parallel Sorting Algorithms using Multi-threading.
- Sorting Visualizer using HTML,Css,JavaScript
- Vector Space Model for effective Information Retrieval.
- Client-Server-Chat-application-TCP

TECH COMMUNITIES & VOLUNTEERING

• **Community Founder & Co-Lead** @Microsoft Learn Student Ambassadors FAST NUCES Karachi Chapter.
• **Beta Microsoft Learn Student Ambassador**
• Represented MLSA Karachi chapter in **"Made in Pakistan"** policy roundtable session at P@SHA ICT Awards'23
• **General Secretary** @FAST Enterprenurship Society'23
• **Karachi Slush'D** Volunteering Team @Katalyst Labs August'23
• **+92 Distrupt** Volunteering Team @Katalyst Labs Novemebr'23
• **Community Volunterer** @Founder Pakistan