Maham Tahir
Python Developer
[Linkedin](#) | [Github](#) | [Leetcode](#)   mahamst31@gmail.com

EDUCATION

University Of Karachi-Ubit , Karachi— BSCS   *Karachi, Pakistan*
Bachelor of Science in Computer Science – CGPA: **3.10**/4.00x

Hawwa Jee Girls College   *Karachi, Pakistan*
Intermediate, Pre-Engineering

WORK EXPERIENCE

CodeSoft, Karachi, Pakistan - **Python Developer**   ***Sep 2023 - Oct 2023***

PROJECTS

Bank simulator CLI, It is a bank simulator used to simulate the customers data by using queuing model theory supported for all types of servers following any distribution. I developed this CLI based application using python, numpy, pandas, and matplotlib.
Link: https://github.com/MahamTahir31/Bank-Simulator-Python

Process control block, It is a program that represents the scheduling of processes in the operating system by using the Round Robin Algorithm. I programmed this PCB using pure python**.**
Link: https://github.com/MahamTahir31/Operating-System

Mini Compiler, It is a CLI based project covering the implementation of the first three phases of compiler, lexical, syntax, and semantics analyzer. I developed this mini compiler project using pure python and regex for regular expressions..
Link: https://github.com/MahamTahir31/Mini-Compiler

Image-QR code encryption, It is a website that encrypts images into QR code. I developed this site using python, flask, numpy, and opencv.
Link: https://github.com/MahamTahir31/Image-to-QR-code-Encryption

OTHER

Technical Skills: Html, Css, Bootstrap, Tailwind, JavaScript, React.js, Nodejs, Express.js, MongoDB, Firebase, Python, Flask, PostgreSQL, SQL & NoSQL DB, Numpy, Pandas, Matplotlib, Data Structures, OOP, Problem Solving

Certifications & Training: Web Development, JavaScript Mastery, Advance Python, Intermediate SQL, Git-Github, English Language

COMMUNITIES & COMPETITIONS

Corporate Member - GDSC, UOK *Sep 2022 - Present*
As a corporate team member of our Gdsc-Uok chapter, I actively participated in events planning, sponsorship management, communication with third parties and promotion of our innovative ideas.

Technical Member - MLSA-UOK *Feb 2023 - Present*
As a technical team member of the Mlsa-Uok chapter, I utilized my technical skills by completing the tasks distributed among the team members and had a chance to collaborate with the community.

Speed Programming - Procom'23 *Fast University*
Participated as a team in a speed programming competition in Procom'23 at Fast University, solved all the problems using python, and secured position among top 5.

Speed Programming - ITEC'22 *NED University*
Another competition by ITEC'22 held at NED University. I, with my teammates, solved problems using python and secured a position in the top 10 among 50+ teams.