AMINA SAIF

Software Engineer

saifamina99@gmail.com | +923314246428 | Nishtar Road Muhallah Hinjranwala, Sheikhupura

Linkedin | **GitHub**

EDUCATION

University of the Punjab Information Technology College   Lahore, Pakistan
Bachelors Information Technology   November 2017 - July 2021
CGPA: 3.55

EXPERIENCE

Intech Process Automation | Trainee Engineer   Lahore, Pakistan | September 2022 - Present
- Writing and Debugging Code
- Develops software solutions by studying information needs, conferring with users, and studying systems flow, data usage, and work processes.
- Design ASP.NET WebApi and Webforms in MVC.
- Investigates problem areas.
- Follows the software development lifecycle.
- Accomplishes engineering and organization mission by completing related results as needed.

University of the Punjab Information Technology College | Teaching Assistant(COAL)   Lahore, Pakistan | February 2021 - July 2021
- Helped Professor with two different sessions of both Labs and classes of COAL.
- Helped Professor with lesson preparation, including collecting materials and setting up equipment.
- Reviewed lessons or lectures with students on a one-on-one basis or in small groups.
- Supervised students in class and Labs.
- Tracked attendance, grading assignments and calculating grades.
- Gave extra help to students who need special accommodations or are struggling with a concept.
- Collaborated with the Professor to identify students' issues and recommend solutions.

University of the Punjab Information Technology College | Teaching Assistant(Web Engineering)   Lahore, Pakistan | September 2020 - February 2021
- Helped Professor with two different sessions of both Labs and classes of Web Engineering.
- Helped Professor with lesson preparation, including collecting materials and setting up equipment.
- Reviewed lessons or lectures with students on a one-on-one basis or in small groups.
- Supervised students in class and Labs.
- Tracked attendance, grading assignments and calculating grades.
- Gave extra help to students who need special accommodations or are struggling with a concept.
- Collaborated with the Professor to identify students' issues and recommend solutions.

University of the Punjab Information Technology College | Teaching Assistant(Programming Fundamentals)   Lahore, Pakistan | February 2020 - August 2020
- Helped professor with Lab and class.
- Helped Professor with lesson preparation, including collecting materials and setting up equipment.
- Reviewed lessons or lectures with students on a one-on-one basis or in small groups.
- Supervised students in class and Labs.
- Tracked attendance, grading assignments and calculating grades.
- Gave extra help to students who need special accommodations or are struggling with a concept.
- Collaborated with the Professor to identify students' issues and recommend solutions.

SKILLS

Programming Languages:	C++, C#, JAVA, Python3, SQL, HTML, HTML5, CSS, CSS3, Bootstrap, Javascript
Libraries/Frameworks:	JQuery, React JS, ASP.NET, MVC
Tools / Platforms:	Visual Studio, VS Code, Git, Android Studio, NetBeans, Microsoft Windows, Linux, Kali Linux
Databases:	Oracle, My SQL, SQL Server Management Studio

PROJECTS / OPEN-SOURCE

Elysion of Network Analysis, Penetration Testing and Vulnerability Exploitation | Link *C, C++, Kali Linux, Ubuntu, Ubuntu Server, BeEF, Python, PEDA, WireShark, Metasploit*

- The research in this final year project aimed to provide a thorough study of existing computer system vulnerabilities in network and web applications.
- It is mainly focusing on practical cryptographic algorithms and techniques.
- This research project covers different vulnerabilities, how they occur, how they are exploited, how they impact and how their mitigation techniques are implemented.
- We used different tools to exploit the existing vulnerabilities.
- The research also covers cryptographic techniques in detail.

Tailor Management System(Website and APP)   *C#, MVC, ASP.NET, SQL Server 2012*

- Client and Admin side website and APP to place, manage and update orders.
- This project was made using C#, MVC, ASP.NET in Visual Studio 2017 and the database used was SQL Server 2012

EXO (Website) | Link   *HTML, CSS, Javascript*

- Semester project for Web Engineering to make a static website using HTML, CSS, and Javascript to show details about idol group EXO.

CERTIFICATIONS

- Python for Data Science and AI - **Coursera**
- AI for Everyone - **Coursera**
- Penetration Testing, Incident Response and Forensics - **Coursera**
- Thingworx Associate Cercation - **PTC**

HONORS & AWARDS

Awarded Silver medal as Chess Runner Up(Inter-College Tournament at PUCIT)

Senior Anchor (Event Management Society, PUCIT)

Chess Coordinator(Sports Society, PUCIT)

Content Writer(Computer Society, PUCIT)