

# SYED ASFAR AHMAD BUKHARI

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## Education

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### COMSATS UNIVERSITY LAHORE CAMPUS

Bachelor of Software Engineering

Lahore, Pakistan

2021 - 2025

## Professional Experience

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### PAK ELEKTRON LIMITED (PEL)

Manufacturer of electrical goods in Pakistan, offering innovative solutions for power and home appliances.

Lahore, Pakistan

#### IT Intern

July 2024 – August 2024

- *MERN Stack Project*: Developing a project using the MERN (MongoDB, Express.js, React, Node.js) stack, which will be submitted to complete the internship.
- *Collaboration*: Working closely with fellow interns to create the project, fostering teamwork and collective problem-solving.

### AMAL ACADEMY

Education startup funded by Stanford University that teaches professional skills to students and corporations

Lahore, Pakistan

#### Career-Prep Fellow

March 2024 – June 2024

- *Achievement*: Navigate a rigorous selection process, standing out among 4,500 applicants through a competitive written application and interview to earn a place in this prestigious fellowship.
- *Communication*: Engage in comprehensive training to improve verbal and written communication abilities, including public speaking, persuasive writing, and effective interpersonal communication.
- *Leadership*: Participate in hands-on activities and projects designed to cultivate strategic thinking, decision-making, and team management.
- *Teamwork*: Collaborate with a diverse cohort of fellows on various projects, fostering teamwork, adaptability, and cultural competence.
- *Business Acumen*: Invest 150 hours in learning and applying essential business skills, with a focus on making a meaningful impact in professional settings.
- *Problem Solving*: Apply analytical skills through real-world case studies and problem-solving exercises, focusing on innovative and practical solutions.

## Academic Experience

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### DETECTION OF RETINOPATHY STAGES

Developing deep learning system for early diabetic retinopathy detection and classification using retinal fundus images.

Lahore, Pakistan

#### Web Developer & ML Engineer

February 2024 – Present

- *Automation*: Employing deep learning techniques and an ensemble approach, the project seeks to automate the detection and classification of diabetic retinopathy stages using retinal fundus images, enhancing early diagnosis and treatment efficacy.

### PEL MEDICAL CARE

Developed a comprehensive PEL Medical Care system using the MERN stack for an internship at PEL.

Lahore, Pakistan

#### Web Developer

July 2024 – August 2024

- *System Development*: Designed and implemented a user-friendly web application that allows PEL employees to book appointments with PEL-registered doctors. The system includes secure login, registration, and detailed user roles to ensure only registered users can access booking features.
- *Appointment Management*: Built an appointment scheduling module that enables patients to book appointments with doctors. The system supports secure authentication, ensuring that only registered and logged-in users can book appointments.
- *Admin Dashboard*: Developed an admin interface for managing appointments, adding new doctors and admins, and reviewing messages received through the "Contact Us" form on the website. The dashboard is accessible through a separate portal and includes detailed management features.

- *Frontend Development:* Created a responsive and dynamic front-end using React, incorporating pages such as Home, About Us, Login, Signup, and the Appointment Page.

#### Extracurricular & Volunteer Experience

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##### **COMSATS ACM & IEEE RAS SOCIETY**

Lahore, Pakistan

Educational and Scientific Computing society delivers resources that advance computing as a science and a profession.

##### **Director of Registrations**

- *Management:* Overseeing and coordinating the registration process for the society to ensure smooth operations.
- *Organization:* Managing induction and event forms to maintain accurate records and facilitate efficient registration procedures.
- *Problem-Solving:* Identifying and resolving any registration-related challenges to maintain the integrity and efficiency of the process.

##### **COMSATS GDSC SOCIETY**

Lahore, Pakistan

Learn about a range of technical topics and gain new skills through hands-on workshops, events, talks, and project-building activities online and in-person.

##### **Data Science Lead**

- *Mentoring:* Providing guidance and support to team members in their professional development and skill enhancements.
- *Coaching:* Offering Personalized assistance and feedback to individuals to improve their performance and their capabilities.

##### **SHAUKAT KHANUM MEMORIAL CANCER HOSPITAL & RESEARCH CENTER**

Lahore, Pakistan

Serves as a lifeline for cancer patients and their families, providing compassionate care, innovative treatments, and groundbreaking research in Pakistan.

##### **Volunteer Team Leader:**

- *Leadership:* Directed and coordinated a team of 10 to 15 volunteers from my campus to support fundraising initiatives for Shaukat Khanum Memorial Cancer Hospital and Research Center.
- *Team Management:* Oversaw the recruitment, training, and supervision of volunteers, ensuring effective teamwork and task delegation.
- *Fundraising:* Spearheaded various fundraising activities, including distributing Shaukat Khanum booklets and organizing stalls in malls, to collect a total of 70,000 PKR funds.

#### Honors and Awards

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##### **ACADEMIC SCHOLARSHIPS**

- Received full merit-based academic scholarship from Punjab Group of Colleges 2018 - 2020

##### **ONLINE COURSES**

- Introduction to Python – DataCamp 2023
- Computer Vision – Kaggle 2023

#### Additional

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- *Technical Skills:* C, Java, Python, Data Science, Data Visualization, Data Analytics, Machine Learning, HTML, CSS, JavaScript, React, MongoDB
- *Certifications:* Front-End Web Development (PNY Trainings, 2022), Artificial Intelligence (NAVTTTC, 2023)
- *Interests:* Traveling, Historical Documentaries
- *Languages:* English