

Shamsail Ramzan

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Career Objective

To obtain experience within my chosen field that will challenge me and allow me to use my education, skills and past experiences in a way that is beneficial for me in future growth and advancements.

Education

Qualification	Institution	Passing Year	Obtained Marks/CGPA	Total Marks/CGPA
Computer Engineering	University of Engineering and Technology, Lahore	2018	3.50	4.0
I.C.S	GCU, Lahore	2014	973	1100

Professionals Skills

- Development Languages [JavaScript, Python, C, C++, C#, Embedded C, SQL, Java]
- Databases [SQL Server, MySQL, Oracle, sqlite, Firebase]
- Operating Systems [Windows, Ubuntu(Linux)]
- Tools & Frameworks [VueJs, Django, Flask, Proteus, Visual Studio, Android Studio, Arduino IDE, Wireshark, Putty, Jira, Discord, Docker, Postman, Github, and CE2-instances of AWS]
- Deep understanding of Operating system concepts, computer organization & architecture and low-level programming.
- Good Understanding of control systems, signal processing and image processing.
- Work experience of the development of embedded systems and programming.
- Working experience of different types of Android Apps.
- Working experience of building RESTful APIs.
- Work experience of Cookies related to GDPR compliance using Google Analytics and Facebook Pixel.
- Iota experience of Web Scrapping with BeautifulSoup and Requests with the deep understanding of the formats of data of csv file with the usage of numpy and pandas.
- Experience of Firebase, Firestore and Realtime Databases for IOT devices.
- Hands-on experience of the 3D objects and libraries and web portals/websites for next generation browsers.
- Hands-on experience on frontend development as well as backend development with the enrichment from development to deployment on server.

Term Projects

- Hurdle Detection Car in **C++ and Arduino & Sensors**(Circuit Analysis 1).
- Home Automation Using Remote in **C++ and Arduino & Sensors** (Electronics).
- Home Automation Using Android in **C and PIC micro-controller and Sensors** (Embedded System Design).
- Communication between microcontrollers in **Python and C++** (Wireless Networks).
- Smart Street Lights System using **Gates & Sensors** (Digital Logic Design).
- Franchise Information Management System in **C#** (Software Engineering).
- Franchise Information Management System in **PHP and Oracle** (Databases).

Final Year Project

- **Fruchtretter**

A desktop base intelligent system that will identify the anomalies in fruits specially in mangoes whether it is single fruit or multiples at a time and this system uses deep learning algorithms so that it can identify the anomalies at run time within fraction of seconds. Also, it detects the anomalies with its location on that specified mango of thermal image.

Tools & Technologies : C#, visual studio, Tensorflow, Python

Internships & Work Experience

- **DFKI Germany** [July 2017 - September 2017]

I worked on Image Processing algorithms with Artificial Intelligence specially in Deep Learning. Also, I worked on simple machine learning algorithms by using Digital Image Processing.

Tools & Technologies : Tensorflow, Python

- **AIRL UET** [June 2017 - May 2018]

I worked on the Artificial Intelligence field specially in Deep Learning. Also, I developed a Sampling App using thermal camera FLIR and RGB camera at a time.

Tools & Technologies : C#, Python, visual studio, Atlas-SDK

- **Freelancing** [June 2018 – Nov 2018]

I had done many projects of free-lancing that were related to the machine learning. Besides, I had worked on IOT embedded systems by developing different android apps along with the embedded systems using NodeMCU.

Tools & Technologies : Python, C, Embedded C, Java, Firebase

- **ComfNet Solutions** [Dec 2018 – Oct 2020]

I'm playing my role remotely as a Software Engineer & Developer at this German based company. I'm responsible for the backend development of Web Portal in Python by using Flask framework. Moreover, I am using Jira and EC2 instances of the AWS while doing this development. Also, I'm responsible for the plugin of wordpress related to GDPR compliance that works with the analytical and marketing cookies. For this purpose, I'm using VueJs as frontend framework.

Tools & Technologies : Python, Flask, Jira, EC2, VueJs, HTML, CSS, JavaScript, Google-Analytics, Facebook Pixel

Link: <https://cookieweb.de/>

- **weltfern GmbH** [Nov 2020 – currentDate]

My responsibility in this company is to lead a tech team as tech lead by using my skills and abilities. I'm playing my role remotely as a Full Stack Developer at this German based company with the knowledge of deployment and production. My duties include the frontend development as well as backend development of 3D Web Portal and Content Management System for next generation browsers. Moreover, I am using Github, Nginx, and German self hosted linux server while doing this development. While doing this 3D web portals, I'm working on 3D browser libraries at front-end that makes platform to handle any kind of 3D content.

Tools & Technologies : Python, Django, Django Rest Framework, VueJs, axios, HTML, CSS, JavaScript, NodeJs, Nginx, Three.js, @google/model-viewer, babylon.js, vue-3D-viewer, Github, Discord, DevOps and AWS.

Link: <https://www.augmentable.online/>

Honors

- **Gold-Medalist** in I.C.S Lahore Board. (Batch 2014)
- **PEEF scholar** throughout university duration 2014-2018.
- **Internship** offered in **DFKI Research Center, Germany**.
- University merit Scholarship for securing position in 4th semester.
- **Chair** of **IEEE** Computer Society student chapter (2016-2017).
- **Chair** of **IET** Computer Network student chapter (2017-2018).

Strength and Interests

- Team Player.
- Strong Troubleshooting and Analytical skills.
- Book Readings.
- Working on microcontrollers and chip.
- Good Management and Leadership skills.
- Good Communication Skills.

- Player of Chess, Cards, Badminton and Cricket.

References

References will be provided on request.