Shabbar Raza

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Education

Jacobs University *Bremen, Germany*

B.Sc. in Computer Science, Class of 2017　　　　　　　　　　　　　　　　　*08/2014 - 08/2017*

Notable Courses: Algorithms and Data Structures • Formal Languages and Logic • Computability and Complexity • Machine Learning • Statistical Concepts and Data Analysis • Numerical Methods • IT Management • Marketing • General Logistics • Financial Accounting • Operating Systems • Electrical Engineering • Software Engineering • Databases and Web Applications

Keynesian Institute of Management and Sciences (KIMS) *Lahore, Pakistan*

Cambridge International General Certificate of Education A Level - 3 As　　　　　　*08/2012 - 08/2014*

- Second Highest Achiever in class

Garrison Academy for Boys *Lahore, Pakistan*

Cambridge International General Certificate of Education O Level - 10 A*/As, 1B　　　*08/2008 – 08/2011*

- Highest Achiever in class

Practical Experience

Datango *Berlin, Germany*

Product Manager　　　　　　　　　　　　　　　　　　　　　　　　　*01/2020 - Present*

- Managing the roadmap and backlog for an enterprise Learning Management System.
- Functioning as Product Owner in the spirit of Scrum framework.
- Defining comprehensive identity & access management and licensing solution accommodating wide-ranging business scenarios.
- Contributing in solution design for adapting legacy modules to modern architecture.
- Delivering product trainings and assisting in managing key accounts.

HR Forecast *Bremen, Germany*

Product Manager　　　　　　　　　　　　　　　　　　　　　　　　　*06/2018 - 08/2019*

Software Engineer　　　　　　　　　　　　　　　　　　　　　　　　　*01/2018 - 05/2018*

- Led application development from ideation through to deployment for a Fortune 100 client.
- Revamped software security and data protection framework for enterprise solutions based on AWS cloud platform.
- Implemented REST APIs and software modules for information retrieval and presentation using the Spring framework in JAVA.
- Worked on data acquisition, mining, and analysis projects.

DFKI - Robotics Innovation Center *Bremen, Germany*

Software development intern　　　　　　　　　　　　　　　　　　　　　*06/2016 - 08/2016*

- Worked on modelling and simulation of robot components using URDF and Solidworks.
- Worked on documentation of software which served as prototype implementation for a project on human-computer interaction.

Fraunhofer - Mevis *Bremen, Germany*

Software development intern　　　　　　　　　　　　　　　　　　　　　*06/2016 - 08/2016*

- Worked on building a web application using Django framework.
- Wrote installation scripts for a server setup for both Ubuntu and Windows.

Jacobs University *Bremen, Germany*

President - Undergraduate Student Government (USG)　　　　　　　　　　　　*09/2016 - 09/2017*

- Served as the head of Undergraduate Student Government which is the representative organization of all undergraduate students at Jacobs University.
- Introduced reforms in USG elections, finance management, disciplinary regulations, outreach methods, having impact on the USG, the student body, and the University at large.
- Cultivated the ability to acknowledge contrasting viewpoints and perspectives on a given issue.

Lahore University of Management and Sciences (LUMS)   *Lahore, Pakistan*

Instructor at LUMS Model United Nation (LUMUN) - Social Responsibility Program   *06/2013 - 07/2013*

- Designed curriculum and tutored a group of STEM students at a charity summer school.
- Planned and supervised educational activities, such as pattern recognition exercises, and number games.

Project Experience

Guided Research - Bachelor Thesis   *Jacobs University, Bremen*

"Exploring the Feasibility of Automatically Finding Alignments Across Mathematical libraries"   *04/2017 - 08/2017*

- Carried out research on construction of mathematical libraries represented in MMT and on the topic of *alignments*.
- Wrote an algorithm that outputs alignments among mathematical theorems.
- Wrote a word segmentation algorithm using dynamic programming approach, optimized for the specific flavour of input strings.

Maze Runner Robot   *Jacobs University, Bremen*

Software that enables a robot with a laser range finder to autonomously find its way out of a maze   *03/2016 - 04/2016*

- Wrote separate packages for parsing and analysis of scanned data from sensors, and for inference and execution of decisions.
- Learned and practiced software modularization, testing, documentation, and project management methodologies.
- https://github.com/JacobsUniversitySELab2016S/se-lab-team-6

Naya Savera (NGO)   *Lahore, Pakistan*

Co-Founder/Joint Secretary   *Sep 2013 - Dec 2015*

- Planned and led the installment of two water filtration plants in two different villages.
- Enhanced my organizational, public speaking, and communication skills while working on fundraising campaigns.
- Learned to maintain high team spirit in order to keep partners and volunteers committed to the projects.
- Facebook: https://www.facebook.com/Nayasaverapk

Skills and Achievements

Awards

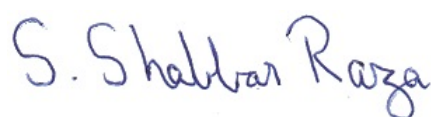|		
2017	**Cultural Understanding and Diversity Award**, Jacobs University Bremen	*Bremen, Germany*
2013	**Best Intern Award**, LUMUN - Social Responsibility Program	*Lahore, Pakistan*
2012	**43rd Position Nationally**, Kangroo International Mathematics Contest	*Lahore, Pakistan*

Programming

Advanced knowledge: C, C++, Java, SML, Scala, JavaScript, LaTeX, Git, Multi-Threaded Programming, DevOps, AWS, IaC

Working knowledge: C#, Python, R, Matlab, SQL, PHP, Docker, Kubernetes, Prolog, REST, JDBC, SOAP, Arduino, ROS, HTML5

PC Knowledge   Linux, Apache, NGINX, Solidworks, Tableau, Wordpress, Figma, MS Power BI, Access, Excel, and PowerPoint.

Languages

English	native/bilingual	**Punjabi**	working knowledge
German	B2 level proficiency	**Hindi**	professional proficiency
Urdu	native/bilingual		

Interests and Hobbies   Badminton, Running, Biking, Event Management, Politics, Commerce, Technology, Poetry, History

Shabbar Raza

Bremen, November 15, 2020.