

# Shabbar Raza

Address: Stromstraße 36, 10551 Berlin, Germany

+49 (152) 0847 1617 | [mail@shabbarraza.me](mailto:mail@shabbarraza.me) | [ShabbarRaza.me](https://ShabbarRaza.me) | [ShabbarRazapk94](https://www.linkedin.com/in/ShabbarRazapk94)

## 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.

- 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
- 2013 **Best Intern Award**, LUMUN - Social Responsibility Program
- 2012 **43rd Position Nationally**, Kangaroo International Mathematics Contest

Bremen, Germany

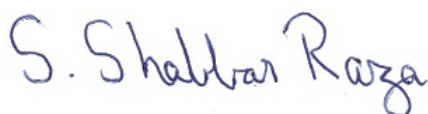
Lahore, Pakistan

Lahore, Pakistan

### PROGRAMMING

**Advanced knowledge:** C, C++, Java, SML, Scala, JavaScript,  $\text{\LaTeX}$ , 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**German** B2 level proficiency**Urdu** native/bilingual**Punjabi** working knowledge**Hindi** professional proficiency**INTERESTS AND HOBBIES** Badminton, Running, Biking, Event Management, Politics, Commerce, Technology, Poetry, History**Shabbar Raza**

Berlin, November 16, 2020.