

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 • Operating Systems Lecture and Lab • Electrical Engineering Lecture and Lab • Programming in C++ • Programming in Java • Software Engineering Lecture and Lab • Statistical Concepts and Data Analysis • Databases and Web Applications • IT Management

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

02/2020 - Present

- Managing the product roadmap for an enterprise LMS.
- Functioning as Co-Product Owner in the spirit of Scrum framework.
- Contributing in solution design for adapting legacy modules to modern architecture.
- Working on infrastructure definition for migration of SaaS application to Cloud.
- Delivering product demos to potential corporate clients.

HR Forecast

Bremen, Germany

PRODUCT MANAGER/SOFTWARE DEVELOPER

01/2018 - 08/2019

- Led agile software product development for projects involving global cross functional teams using Scrum framework.
- Revamped software security and data protection frameworks 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

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

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 Bremen.
- Facilitated communication between university administration and the student body.
- Introduced reforms in USG elections, finance management, disciplinary regulations, outreach methods, having impact on the USG, the student body, and the University at large.

- Designed curriculum and tutored a group of science students at a charity summer school.
- Planned and supervised educational activities, such as memory 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 theories.
- 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>

MUNManager

Jacobs University, Bremen

A WEB APPLICATION AS A MANAGEMENT PLATFORM FOR THE ATTENDANTS AND ORGANIZERS OF MUN CONFERENCES

10/2015 - 12/2015

- Designed and implemented the database and wrote queries for particular tasks.
- Used GoogleMaps API with JavaScript to add one-click display of geographical location of the MUN conferences.
- Used JQuery with Bootstrap for pop-up forms, sliding menu, and navigation between sections.
- <https://github.com/nickles-lee/ConCoordinate>

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

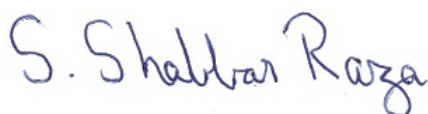
Lahore, Pakistan

Lahore, Pakistan

PROGRAMMING

Advanced knowledge: C, C++, Java, SML, Scala, JavaScript, \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, Zeplin, Microsoft Power BI, Access, Excel, Word, and PowerPoint.

LANGUAGES

English native/bilingual**German** B1 level proficiency**Urdu** native/bilingual**Punjabi** working knowledge**Hindi** working knowledge**INTERESTS AND HOBBIES** Event Management, Photography, Oratory, Poetry, Badminton, Biking**Shabbar Raza**

Bremen, June 7, 2020.