

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 AND O LEVELS - STEM SUBJECTS

08/2008 - 08/2014

- A Level - 3 As
- O Level - 10 A*/As, 1 B

Practical Experience

Elinvar

Berlin, Germany

PRODUCT MANAGER - PLATFORM CONNECTIVITY

06/2021 - Present

- Coordinating new features and enhancements to the platform connectivity.
- Contributing in software architecture design for platform upgrades, while fulfilling scalability goals.
- Sustaining the reliability and robustness of the platform, currently serving 1M+ daily transactions.
- Enabling integration with new custodian banks, financial institutes, and third-party service providers.
- Maintaining documentation of software architecture and functions.

Datango

Berlin, Germany

PRODUCT MANAGER

01/2020 - 05/2021

- Managing the roadmap and backlog for an enterprise Learning Management System serving 80+ corporations.
- 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 15k+ end-users at a Fortune 100 company.
- 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.

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, \LaTeX , Git, Multi-Threaded Programming, DevOps, AWS, IaC**Working knowledge:** C#, Python, R, Matlab, SQL, PHP, Docker, Kubernetes, Prolog, REST, JDBC, SOAP, Arduino, ROS, Kafka**PC KNOWLEDGE** Linux, Apache, NGINX, Solidworks, Tableau, Wordpress, Figma, Kibana, Grafana, MS Power BI, Access, Excel.

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, July 4, 2022.