

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 • Electrical Engineering • Software Engineering • Databases and Web Applications • Statistical Concepts and Data Analysis • Numerical Methods • IT Management • Marketing • General Logistics • Financial Accounting

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 (salutatorian)
- O Level - 10 A*/As, 1 B (valedictorian)

Practical Experience

Finvia - <https://finvia.fo>

Berlin, Germany

SENIOR PRODUCT MANAGER

11/2022 - 07/2023

- Directed development of application used to compute and manage investment portfolios with aggregate value of \$4+ bn.
- Conducted product and user research to explore and determine effective solutions.
- Formulated and investigated questions to validate hypotheses regarding product strategy.
- Ensured quality and reliability of deliverables by implementing robust testing procedures.
- Facilitated development of a constructive team culture with spirit of high performance.

Elinvar - <https://elinvar.de>

Berlin, Germany

PRODUCT MANAGER - PLATFORM CONNECTIVITY

06/2021 - 10/2022

- Coordinated implementation of extensions to connectivity of the B2B fintech platform.
- Enabled integrations with new custodian banks, asset managers, and third-party service providers.
- Managed priorities and structured requirements coming from a multitude of stakeholders.
- Incorporated tooling for monitoring performance of services processing 1 m+ transactions daily.
- Contributed in software architecture design for platform upgrades aiming for higher scalability.

Datango - <https://datango.com>

Berlin, Germany

PRODUCT MANAGER

01/2020 - 05/2021

- Managed the roadmap and backlog for an enterprise Learning Management System serving 80+ corporations.
- Performed as Product Owner in the spirit of Scrum framework.
- Defined identity & access management solution accommodating diverse business scenarios.
- Contributed in solution design for adapting legacy modules to microservice-based architecture.
- Delivered product trainings and assisted in managing key accounts.

HR Forecast - <https://hrforecast.com>

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 cybersecurity and data protection framework for enterprise solutions based on AWS cloud platform.
- Created documentation of software architecture, functions, and integrations.
- Implemented software modules and REST APIs for data engineering using Spring framework in JAVA.
- Worked on data acquisition, mining, and analysis projects.

DFKI - Robotics Innovation Center - <https://robotik.dfki-bremen.de>

Bremen, Germany

SOFTWARE DEVELOPMENT INTERN

06/2016 - 08/2016

- Developed programs for modelling and simulation of robotic components using URDF and Solidworks.
- Wrote documentation for software as outcome from a research project on human-computer interaction.

Jacobs University - <https://www.jacobs-university.de>

Bremen, Germany

PRESIDENT - UNDERGRADUATE STUDENT GOVERNMENT (USG)

09/2016 - 09/2017

- Served as the head of Undergraduate Student Government representing all undergraduate students at Jacobs University.
- Spearheaded reforms in USG elections, budgeting, and outreach methods, enhancing effectiveness of USG operations.
- Cultivated the ability to consolidate contrasting perspectives on a range of issues.

Lahore University of Management and Sciences (LUMS) - <https://lumun.lums.edu.pk/>

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.

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 the topic of *alignments* among mathematical theorems.
- Wrote an algorithm that discovers alignments in mathematical libraries represented in MMT.
- Developed a word segmentation algorithm using dynamic programming technique for optimised exploration.

Maze Runner Robot

Jacobs University, Bremen

ROBOT WITH A LASER RANGE FINDER CAPABLE OF AUTONOMOUSLY FINDING ITS WAY OUT OF A MAZE

02/2016 - 04/2016

- Wrote packages for parsing and analysis of sensor data, and for inference of decisions in pathfinding.
- Learned and practiced software design, testing, documentation, and project management methodologies.

Naya Savera (NGO)

Lahore, Pakistan

PROJECT DIRECTOR

Sep 2013 - Dec 2015

- Planned and led the installment of water filtration plants in 2 different villages.
- Enhanced my organizational, public speaking, and communication skills while driving fundraising campaigns.
- Learned to foster earnest team spirit 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**, Kangaroo International Mathematics Contest

Lahore, Pakistan

SOFTWARE ENGINEERING

Paradigms & Frameworks: REST, JDBC, SOAP, gRPC, IaC, Docker, Kubernetes, Kafka, Git, OAuth, ROS, AWS, Azure

Programming Languages: C, C++, Java, SML, Scala, JavaScript, C#, Python, R, Matlab, SQL, PHP, Prolog, Arduino, \LaTeX

TECH TOOLS Linux, Apache, Nginx, Wordpress, Figma, Kibana, Grafana, Datadog, Sentry, TestRail, MS Power BI, Access, Excel

NATURAL LANGUAGES

English native/bilingual

Punjabi working proficiency

German B2 level proficiency

Hindi professional proficiency

Urdu native/bilingual

HOBBIES Badminton, Tennis, Cycling, Roller Skating, Kickboxing, Ballroom Dancing, Sustainability, History, Literature

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Berlin, February 5, 2024.