Shawaiz Shah

Berlin, Berlin, Germany

shahshawaiz@gmail.com +4917634422565

linkedin.com/in/shawaiz-shah-32b40537

Summary

I am driven by a zeal to employ advanced data science and AI solutions to address complex business challenges effectively. My effectively. My focus is on supporting businesses across diverse domains in achieving their goals and driving   
success.

Experience

Data Scientist   
WOW Tech Group

Apr 2021 - Present (2 years 10 months)  
· Spearheading the creation of a state-of-the-art Conversational AI system, focusing on dynamic user interaction and perso orchestrating seamless user-product matching. Responsible for system design, research, ablation   
studies, and evaluations to benchmark technologies and tools.

· Executing deployment tactics in a local setting, embedding robust concurrency management within a modest HPC cluster control measures on low-end HPC cluster for optimal performance.

· Led the development of a demand forecasting system using the ARIMA+ algorithm, resulting in a 6-  
· Pioneered the creation of an advanced demand prediction model utilizing the ARIMA+ algorithm. Achieved a notable forec growth planning through accurate forecasts of revenue, margin, and sales volume.

· Developed predictive models for temporal activity recognition, object detection, and image   
classification  
· Contributed to the design and implementation of real-time human biofeedback signal classification and   
vital sign detection application  
· Collaborated with cross-functional team to build and deploy cloud based AI prototypes, test  
· Teamed up with diverse groups to construct and implement cloud-native AI prototypes and data processing workflows em Kubeflow Pipelines.

· Conducted R&D on Computer Vision and signal processing systems using Machine Learning and  
· Engaged in research and development related to Computer Vision and signal processing, utilizing machine learning and d

Technical Product Owner   
WOW Tech Group

Aug 2022 - Feb 2023 (7 months)  
· Tasked with the strategic planning and delivery of a software product roadmap, directly impacting approximately 10,000 da daily active users  
· Collaborated with a cross-functional team of Product, Design, Development, and Quality Assurance   
to ensure that the product and feature implementation aligns with the needs and expectations of the   
customers

Data Science Master Thesis   
WOW Tech Group

Aug 2020 - Mar 2021 (8 months)

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· Trained and Optimized SOTA Vision Detection Models on custom datasets  
· Implemented Explainable AI methodologies to enhance the interpretability of Deep Vision Detection Models, making comp

Software Engineer   
Artory

May 2019 - Apr 2020 (1 year)  
· Working with engineering team on software design and development  
· Involved in DevOps tasks including writing unit/integration tests and code reviews  
· Participated in sprint planning, grooming and review sessions  
· Successfully performed a research spike and built a prototype for image search/retrieval using Reverse Search

Software Engineer   
Lakson Business Solutions

Mar 2017 - Oct 2018 (1 year 8 months)  
· Responsible for designing, developing and integrating software products and their data processing pipelines  
· Assisted technical design process by analyzing business requirements, and facilitating technical feasibility analysis for feature-change request in collaboration with Business Analysis team

Software Engineer   
Advance Telecom (AT)

Aug 2016 - Feb 2017 (7 months)  
· Inaugurated a robust KPI reporting framework by fusing e-commerce platforms with Google Analytics and Facebook Pixel Facebook Pixel for monitoring product performance (impressions, interaction and   
conversion rates) and sales (GMV, NMV and Net-to-Value Conversion)

Intern   
Pakistan International Airlines

May 2015 - Jul 2015 (3 months)  
· Developed and deployed a Requisition and Complaint management system that was to be used within PTC facility

Director Team Creative   
SZABIST

Aug 2013 - Mar 2015 (1 year 8 months)  
· Recruited in ZABMUN·s Executive Council to lead Team Creative  
· Collaborated with other teams and successfully organized ZABMUN VII conference, a four day Model United Nations conference which hosted 2000+ delegates

Education

Berlin University of Applied Sciences Berlin (BHT)   
Masters, Data Sciences

2018 - 2022

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Shaheed Zulfikar Ali Bhutto Institute of Science and Technology Bachelor of Science - BS, Computer Science, CGPA: 3.53 2012 - 2016   
BS Computer Sciences

Aga Khan Higher Secondary School, Karachi   
Higher Secondary School Certificate, Pre-Engineering 2010 - 2011   
Pre-Engineering - Higher Secondary School Certificate

Licenses & Certifications

Registered Scrum Master· - Scrum Inc.   
RSM-4041082

Certified Scrum Product Owner® (CSPO®) - Scrum Alliance Issued Jun 2022 - Expires Jun 2024   
1599800

Machine Learning · Data Analysis · Predictive Modelling · Data Visualization · Time-Series A Machine Learning · Data Analysis · Statistical Computing · Data Visualization · Mathematical Modeling  
 · Database Design · Project Management · Product Development · Research · SQL

Honors & Awards

Chancellor's Honor Roll - SZABIST, Karachi   
Dec 2016

University Funded Scholorship - SZABIST, Karachi   
Received merit based scholarships for academic performance in semester Fall 2012, Spring 2013, Fall 2013, Spring 2015, Fall 2015

Runner Up IBA ProBattle Challange - IBA ProBattle '16 Apr 2016   
Runner up in web development challange

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