Shawaiz Shah

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Summary

Driven by a passion for resolving engineering challenges, I am equipped with the technical acumen to solve complex business p 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 development of scalable multi-agent LLM Conversational-AI solutions, focusing on orchestrating seamless user-product matching. Responsible for system design, research, ablation studies, and evaluations to identify best-in-class technologies and tools for ADAS platforms.

· Executing deployment strategies within an on-premises environment, including advanced concurrency 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-month forecast error of ~6%. The project aimed to optimize supply-chain and to improve budget and 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   
environments and data processing pipelines using GCP VertexAI, Apache Airflow, Celery, RabitMQ and· Teamed up with multidisciplinary groups to build and roll out cloud-based AI prototypes, test  
· Conducted R&D on Computer Vision and signal processing systems using Machine Learning and Deep Neural Network algorithms

Technical Product Owner   
WOW Tech Group

Aug 2022 - Feb 2023 (7 months)  
· Accountable for strategizing the development and deployment of a software product roadmap connecting ~10k 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 - ADAS Data Management WOW Tech Group

Aug 2020 - Mar 2021 (8 months)

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· Trained and Optimized SOTA Vision Detection Models on custom datasets  
· Applied ExplainableAI algorithms to Deep Vision Detection Models for better interpretability

Software Engineer - ADAS Development   
Artory

May 2019 - Apr 2020 (1 year)  
· Collaborating with the engineering team on ADAS 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 - ADAS Development   
Lakson Business Solutions

Mar 2017 - Oct 2018 (1 year 8 months)  
· Tasked with engineering, advancing, and amalgamating software products and corresponding 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 - ADAS Development   
Advance Telecom (AT)

Aug 2016 - Feb 2017 (7 months)  
· Initiated KPI reporting frameworks by integrating advanced telematics with Google Analytics and 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®) Issued Jun 2022 - Expires Jun 2024   
1599800

Skills

- Scrum Alliance

Machine Learning · Embedded Systems · Data Analytics · Statistical Computing · Data Architecture

· Database Design · Agile Project Management · AUTOSAR · Research & Development · 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 Apr 2016   
Runner up in web development challange

- IBA ProBattle '16

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