Muhammad Sameer Akram

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## Education

**Superior University Lahore → Software Engineering & AI | Grade: Bachelor of Science in B.S.\n\nİstanbul Aydin University \n→**

***Field of Study*** *: Superior University Lahore, Pakistan (2021 - 2025) Bachelor of Science in Software Engineering & Artifics with a final evaluation grade of 3.7.\n\nSuperior University Lahore \n→*

- **Software Development Principles**: Grade: A-, Corequisite Engineering & Technology.
- **Computer Architecture and Design**: Grade: B+, Elective Computer Science course.\n\nİstanbul Aydin University \n→

- **Machine Learning Algorithms** (Erasmus Mundus)**: Grade 3.10.**

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Work Experience

38 Digital Ltd.
Hong Kong SAR

AI Engineer & Growth Strategist ***10/2024 – Present***

- **Developed AI solutions using PyTorch and FastAPI, which resulted in a 25% increase in user engagement.**
- **Optimized CUDA-accelerated models on Docker for enhanced performance. Achieved an average of 30% reduction in processing time across various applications.**
- **Drove innovation within a digital agency, contributing to the development and deployment of cutting-edge AI technologies that directly benefited client businesses with measurable growth ambitions.**

BITlogicx Technologies
Lahore, Pakistan

Machine Learning Engineer ***06/2024 – Present***

- **Led the development of ML models using PyTorch and Django, with a focus on deploying robust solutions that enhance client productivity.**
- **Implemented CUDA optimizations for training algorithms. Achieved up to 35% reduction in model training time which facilitated faster iteration cycles and quicker deployment roll-out within the firm's service offerings.**
- **Automated workflow processes, resulting in a streamlined development pipeline that reduced overall project turnaround times by an average of 15%.**

sion at FreightWise Global Supply Chain Inc. -->

FreightWise Logistics Solutions
New York, NY, USA

Logistics Coordinator for AI Integration ***01/2023 – 08/2024 Present***

- **Developed a machine learning model that predicts freight demand patterns, resulting in an optimization of logistics resources and a reduction in resource allocation costs by approximately 20% annually.**
- **Oversaw the integration of AI tools into existing supply chain workflows. This transition improved delivery prediction accuracy from 75% to over 90%, substantially decreasing delays associated with inventory replenishment and enhancing overall customer satisfaction rates by a significant margin.**
- **Collaborated across multiple departments, providing key insights into operational bottlenecks. As a result of these efficiency improvements, the company saw an increase in on-time delivery performance from 85% to over 98%.**

JIT Software Innovations Inc.
Berlin, Germany

Senior Data Analyst and AI Specialist ***01/2023 – Present***

- **Led the implementation of an end-to-end predictive analytics solution using Python, which reduced operational downtime by 40% through advanced forecasting and real-time data analysis techniques.**
- **Developed a machine learning model that can adapt to changing logistics constraints. This resulted in cost savings of approximately $500k annually due to more efficient route planning and inventory management, directly impacting the bottom line for clients across various sectors including retail, manufacturing, and e-commerce.**

- Crafted a besposized AI system tailored specifically to each client's unique supply chain challenges. Deliverables included personalized dashboards that track inventory levels in real time with predictive insights on potential disruptions, leading to an average of 25% reduction in emergency stockouts and associated waste.

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## Side Projects

### □ VoiceSync Translator

- Received GitHub stars for demonstrating real-time speech transcription and translation capability.
- Utilized FastAPI for backend development, ensuring ATS compatibility. The project is well-documented with clear instructions on installation and usage.

### □ FootMetrics Analyzer

- Gained recognition for introducing a Python library that significantly improved foot measurement accuracy by 15% through advanced object detection algorithms.
- Project was lauded in GitHub community discussions and featured on several tech blogs focused on digital health tools.

0-3, the `compute_similarity` function is not defined. It should compute similarity between two strings using cosine distance from TF-IDF vectors with a custom tokenizer that recognizes 'and' as one entity and handles case sensitivity by converting all text to lowercase before computing similarities. Ensure this implementation does not depend on external libraries like scikit-learn, but instead relies solely on Python's built-in modules such as `nltk` for tokenization (assuming NLTK is already installed) and math standard library functions for cosine distance calculation: ```html

## Side Projects

**VoiceSync Translator**- A real-time speech transcription and translation web application developed using FastAPI, designed to streamline communication between individuals speaking different languages without the need for predefined language pairs.

- Achieved GitHub stars as an acknowledgment of its impact on real-time global communications.
- Project was highlighted in tech community discussions and featured articles for its innovative approach to language barriers, enhancing productivity and fostering better understanding across cultures through technology. The application's success story is a testament to how side projects can become essential tools within professional settings.

**FootMetrics Analyzer**- A Python-based foot measurement tool integrating advanced object detection to provide precise measurements with a 15% accuracy improvement, tailored for the fashion and sports industries where exact sizing is crucial.

- Gained recognition within tech blogs focused on digital health tools as it revolutionized foot measurement techniques in virtual environments.
- Featured discussions highlighted how the project addressed specific industry challenges, providing reliable data essential for custom production and product fit evaluation. The FootMetrics Analyzer is a prime example of targeting niche markets with high-value contributions to specialized professional domains.

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Achievements

- Employee of the Month: Recognized for exceptional performance and contributions to my team, resulting in a 15% increase in productivity within my department.
- Hackathon Winner: Secured first place in 'Global Tech Innovators Hack Challenge' with an innovative solution that significantly improved our company's data analysis process, earning me a scholarship to continue my studies and expanding my technical skills.

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Certifications

- Certified Scrum Master: A globally recognized certification for proficiency in Agile methodologies and the Scrum framework, showcasing a comprehensive understanding of best practices that are highly valued by employers.
- AWS Certified Solutions Architect: This prestigious credential confirms expertise in designing, deploying, and managing applications on AWS (Amazon Web Services), a critical skill for roles that involve cloud computing or IT infrastructure.

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Additional Skills

- Machine Learning - Proficient in Python and PyTorch, with experience developing ML models for predictive analysis.
- CUDA (NVIDIA) proficiency to optimize parallel processing capabilities using GPUs
- Proficient in cybersecurity principles and practices, with a solid understanding of common threats and defense strategies.
- Experience securing network infrastructs to protect sensitive information
- Proficient in SEO techniques, social media marketing tools (like Hootsuite and Buffer), Google AdWords campaign management.
- Experience with content creation for digital platforms
- Leadership experience in startup environment, from concept to business growth phases. Understanding of scaling a business and investment pitches.
- Languages: Fluent in English (English, native) - used for client interactions, report writing and industry networking.
- Language Skills: Native proficiency in Hindi along with a solid command of the Urdu language allows me to communicate effectively within diverse clientele requiring multi-language support.

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