**Muhammad Rizwan Khan**

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**SUMMARY**

**Experienced Artificial Intelligence Trainer & AI Specialist**

Dynamic AI Trainer and Specialist with a robust background in Artificial Intelligence, Data Science, and Advanced Python Programming. Expertise in Generative AI, Chatbots, Natural Language Processing (NLP), and Large Language Models (LLMs), coupled with a strong foundation in agile methodologies. Proven track record as a **Head of AI Department**, leading innovative projects and empowering teams through impactful training. Certified across multiple AI domains, delivering scalable solutions that bridge cutting-edge technology with business needs.

* **AI Model Development & Generative AI:** Skilled in designing, training, and deploying generative AI systems, including text-to-text, image generation, and LLM applications like GPT and BERT.
* **Chatbots & Conversational AI:** Proficient in developing AI-driven chatbots and virtual assistants, leveraging NLP and advanced frameworks to create seamless user experiences.
* **Data Science & Predictive Analytics:** Extensive experience in data preprocessing, visualization, and predictive modeling, applying statistical and machine learning techniques for actionable insights.
* **Agile Leadership & Scrum Master Expertise:** Certified Scrum Master with expertise in managing cross-functional AI and software development teams, ensuring timely delivery of high-impact solutions.
* **Advanced Programming Skills:** Accomplished in Python, C++, and OpenCV, specializing in advanced programming techniques for AI, image processing, and software automation.
* **AI Strategy & Department Leadership:** Proven ability to lead AI departments, define strategic roadmaps, and implement innovative solutions that drive organizational transformation.

**CERTIFICATIONS**

* Certified AI Associate
* Certified AI Specialist
* Nutanix Certified Professional - Cloud Integration 6
* Certified ScrumMaster®
* Professional Certificate of Agile and Scrum Business Analyst
* Scrum: Advanced
* Master Python Web Scraping & Automation using BS4 & Selenium
* Introduction to Data Science – Cisco Networking Academy
* Data Analytics Essentials – Cisco Networking Academy
* Python Essentials 1 – Cisco Networking Academy
* Python Essentials 2 – Cisco Networking Academy
* Introduction to Artificial Intelligence
* Artificial Intelligence Foundations: Machine Learning
* What Is Generative AI?
* Generative AI in Learning and Development
* Python for non-programmers
* Top 10 Skills for NLP Specialists
* Thriving as a Project Manager in the Age of AI
* Hands-On Introduction: Python
* Python Automation and Testing
* Pandas Essential Training
* NumPy Essential Training: 1 Foundations of NumPy
* Using Python for Automation
* Using Python for Automation (2019)
* Project Management Foundations
* Project Management Simplified
* Life Long Learning – Certiprof® – LLLTM
* Prompt Engineering Foundation – Certiprof® – CPEFPCTM

**WORK EXPERIENCE**

**Artificial Intelligence Trainer | Corvit Networks Muzaffarabad**   **Jan 2024 – Present**

* **AI Solution Leadership**: Led teams in designing and deploying AI-driven solutions, targeting applications, cloud platforms, and automation workflows.
* **ML Model Development**: Developed and optimized machine learning models for real-world applications, ensuring performance and scalability.
* **Data Analysis**: Conducted data collection, preprocessing, and feature engineering for efficient model training and decision-making.
* **AI Automation Tools**: Built AI-powered tools for monitoring, analysis, and process optimization across workflows.
* **AI Training Programs**: Designed and delivered AI training, simplifying complex concepts and driving organizational upskilling.
* **AI Research & Innovation**: Researched emerging AI trends, delivering innovative solutions to address business challenges.

**Artificial Intelligence Team Lead & HOD | NUEXUS Technologies March 2024 – Present**

* **AI Team Leadership**: Led cross-functional AI teams, managing project delivery, task allocation, and progress tracking.
* **AI Solution Development**: Directed the design and deployment of scalable AI models, focusing on real-world applications and performance optimization.
* **Intern Mentorship**: Designed structured programs and hands-on tasks, mentoring interns to build foundational AI and ML skills while aligning projects with organizational goals.
* **ML Model Development**: Guided data collection, preprocessing, model training, and evaluation, involving interns in key phases to promote practical learning.
* **AI Tools and Automation**: Led the development of AI-powered tools, assigning exploratory tasks to interns to encourage contributions and skill-building.
* **Research and Knowledge Sharing**: Drove AI research initiatives, encouraging interns to explore trends, share insights, and present innovative solutions.
* **Collaboration**: Translated business needs into actionable AI projects, ensuring clarity on goals, tasks, and deliverables for interns and stakeholders.

**Computer Science Instructor| Muslim Educational Complex Peshawar March 2023 - Jan 2024**

* Taught foundational computer science concepts and programming skills, fostering student understanding and practical application.
* Conducted paper composing and documentation tasks, ensuring accuracy and timely delivery of educational materials.
* Assisted with curriculum implementation, providing support for academic programs and student assessments.
* Mentored students, promoting problem-solving, analytical thinking, and proficiency in computer applications.

**Physics & Mathematics Instructor | Fazaia Degree College Peshawar March 2022 – Nov 2022**

* Taught core concepts in Physics and Mathematics, simplifying complex theories and fostering problem-solving skills among students.
* Designed and delivered engaging lesson plans, ensuring alignment with the academic curriculum and student learning objectives.
* Provided individualized mentorship, helping students strengthen their analytical and critical thinking abilities.
* Assisted in academic planning and student performance evaluation to drive overall academic success.

**Physics & Mathematics Instructor |ICMS School Systems Peshawar Jan 2021 - March 2022**

* Taught **Physics** and **Mathematics** to **Class 9th** and **10th** students, focusing on key topics such as **Newton's Laws**, **Electrostatics**, **Linear Equations**, and **Trigonometry**, while simplifying complex theories for better comprehension.
* Developed and implemented **lesson plans** tailored to the **SLO Based syllabus**, ensuring each topic was covered in-depth with real-life applications to enhance student engagement.
* Provided **one-on-one mentorship** to struggling students, offering targeted support in areas like **Algebra**, **Optics**, and **Kinematics** to strengthen their analytical and problem-solving abilities.
* Assisted in designing **examination papers** and evaluating student performance through regular quizzes, assignments, and mock tests to track progress and identify areas for improvement, leading to better academic outcomes.

**Corporate Trainings**

* **AI & ML Fundamentals**: Delivered training on AI and ML concepts, including supervised/unsupervised learning, model development, and deployment strategies.
* **AI Solution Development**: Trained teams on designing scalable AI models and integrating them into business workflows.
* **Data Science & Analytics**: Conducted workshops on data collection, preprocessing, feature engineering, and advanced analytics for decision-making.
* **AI-Powered Automation**: Provided training on building AI-driven tools to optimize workflows and improve operational efficiency.
* **AI Strategy & Innovation**: Delivered executive training on leveraging AI for business growth and competitive advantage.
* **Customized Workshops**: Designed tailored sessions to address specific AI, ML, and data challenges within organizations.
* **Hands-on AI/ML Training**: Facilitated practical training with real-world case studies for better application of AI/ML concepts.
* **AI Ethics & Governance**: Led training on ethical AI development, governance best practices, and aligning AI systems with regulatory requirements.

**CORE COMPETENCIES AND SKILLS**

* **AI Solution Leadership**: Expertise in leading teams to design and deploy AI-driven solutions, with a focus on cloud platforms, automation workflows, and real-world applications.
* **Machine Learning Model Development**: Proficient in developing, optimizing, and deploying machine learning models to ensure scalability, performance, and practical applications across industries.
* **Data Analysis & Feature Engineering**: Skilled in data collection, preprocessing, and feature engineering to enable efficient model training and insightful decision-making.
* **AI Automation & Tools Development**: Experience in building AI-powered tools for process optimization, monitoring, and analysis to streamline enterprise workflows.
* **Training and Knowledge Sharing**: Extensive experience in designing and delivering AI training programs, simplifying complex concepts, and promoting organizational upskilling.
* **Research & Innovation in AI**: Strong background in researching emerging AI trends and integrating innovative solutions to solve business challenges.
* **Team Leadership & Mentorship**: Proven ability to lead cross-functional teams, manage project delivery, and mentor interns and students in AI and machine learning concepts.
* **Curriculum Design & Teaching**: Expertise in developing and delivering educational content in computer science, physics, and mathematics for diverse learning levels, from foundational to advanced.
* **Student Mentorship & Support**: Skilled in providing individualized support to students, fostering critical thinking, problem-solving, and proficiency in STEM subjects.
* **Academic Planning & Assessment**: Experienced in curriculum implementation, academic program support, and student performance evaluation to drive academic success.

**EDUCATION**

**Master of Computer Science** **Nov 2021 – In Progress**

Sarhad University of Information & Technology Peshawar, KP, Pakistan

**Bachelor of Telecommunication Engineering Sep 2016 – Sep 2020**

University of Engineering & Technology Peshawar, KP, Pakistan

**HSSC Pre-Engineering Aug 2014 – Aug 2016**

FG Degree College for Boys Peshawar Cantt, KP, Pakistan