Sadia Khan
AIT LEAD | RESEARCHER

Contact
Phone: +8801684852463
Email: sdkhn8272@gmail.com
LinkedIn: linkedin.com/in/sadia-khan90
Github: github.com/SadiaK-art

Technical Skills

- **Languages & Tools:** Python, C++, Java, SQL, JavaScript, PHP, MATLAB, HTML, CSS, R, LaTeX, Excel, Pandas, Git, Bootstrap
- **Frameworks & Libraries**: TensorFlow, Keras, PyTorch, Scikit-learn
- **Machine Learning & AI:** Clustering, Regression, Predictive Modeling, CNNs, RNNs, LSTMs, LLM fine-tuning
- **Data Operations & Quality Assurance:** Data annotation, Validation, AI/ML pipeline QA, Workflow optimization
- **Leadership & Specialized Areas:** Team management, Process development, SAR image analysis, LULC segmentation

Work Experience

Invisible Technologies Inc. | San Francisco, CA

Quality Control Lead
Nov 2023 - Present

- Led a global team of **16 Quality Analysts** to ensure AI model accuracy and data integrity.
- Developed **data dashboards** to monitor performance trends and identify optimization opportunities.
- Applied **statistical analysis** to refine AI-generated outputs for technical domains and share key findings with **researchers**.
- Directed data annotation, prompt engineering, and model refinement for **billion-dollar tech clients** and **MAANG** companies.

Quality Analyst
May 2023 - Nov 2023

- **Audited** annotations, evaluations, and training materials for compliance with project guidelines, quality rubrics, and SOPs.
- **Collaborated** with Leads, QAs and trainers to share findings, improve workflows, and deliver targeted 1:1 coaching to trainers.

AI Data Trainer
Nov 2022 - May 2023

- Engineered datasets, prompts, and training pipelines to optimize **AI/LLM accuracy**, decision-making, and scalability.
- Fine-tuned and evaluated **LLM architectures** for factual integrity, domain expertise (**programming, data science, mathematics**), and user engagement.
- Optimized model performance through **data analysis** and meticulous **data annotation.**

Publications

- **"Student Performance Monitor: A Big Data Analytical Application"**, Proceedings of International Conference on Data Science and Applications ICDSA 2021, Volume 2. View Publication
- **"Application of Big Data Analytics in monitoring student performance"**, 6th International Conference on Equity and Inclusive Education 2022: ACIE Bangladesh. View Publication

Projects

- **Land Use Land Cover Segmentation using SAR Data:** Undergraduate thesis on land cover classification using U-Net and DeepLabV3+ architectures with Sentinel-1A SAR imagery. GitHub
- **Research Paper Relevance Checker:** Personal project - a Streamlit app for analyzing research paper relevance, extracting citations, and generating literature review content. GitHub
- **Student Performance Monitor:** Co-developed an interactive big data platform to track and enhance student learning outcomes; published in ICDSA 2021 (Springer). Publication

Education

Uppsala University, Sweden | 2025 - 2027
Master's in Computer Science
- Uppsala University Global Scholarship Recipient

Independent University, Bangladesh | 2018 - 2022
Bachelor of Science in Computer Science
- CGPA: 3.95 | Summa Cum Laude
- Member of IUB IEEE Computer Society Student Chapter

Awards and Honors
- Exchange Student for EU funded Erasmus+ Programme
- IUB Vice Chancellor's Honor List (2018-2022)
- The Daily Star Award (2016)

Competions
- Three-Minute Thesis (3MT) Competition (CSE Research Day 2024, IUB)
- Intra IUB Programming Contest (2nd place)

Volunteer Work
WEDU Global | Aug 2022 - Present
Mentor
- Mentor aspiring women leaders in STEM across Asia through 1:1 coaching,