Sami Ul Haq

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84 Shanliss Road, Santry, Dublin 9, Dublin, Ireland (D09AX70).

EDUCATION

Dublin City University (DCU)   Dublin, Ireland
PhD in Machine Translation   *Sep. 2023 – Aug 2027*

National University of Sciences and Technology (NUST)   Islamabad, Pakistan
MS in Software Engineering   *Sep. 2014 – May 2017*

Quaid i Azam University (QAU)   Islamabad, Pakistan
MSC in Information Technology   *Jan. 2011 – Dec 2013*

EXPERIENCE

PhD Researcher   Sept. 2023 – Aug. 2027
SALIS, Dublin City University   *Dublin, Ireland*

- Working on study and exploration of Context-aware Automatic Metrics for Multimodal Machine Translation Systems
- Designing an evaluation strategy for multimodal data using Human Evaluator on Amazon MTurk
- Performing statistical analysis on continuous rating data from human accessors for quality control

Technical Manager   June. 2023 – Jan. 2024
OnlineGuru.ca   *Islamabad, Pakistan*

- Ensured website optimization initiatives, encompassing technical enhancements, keyword research, and on-page optimization to boost search engine visibility and organic traffic
- Collaborate to align SEO efforts with broader business objectives, including content strategy development, link-building campaigns, and performance tracking and analysis

Assistant Manager   Oct. 2018 – May. 2023
NESCOM   *Islamabad, Pakistan*

- Designed and Developed a dynamic context integration method for context-aware Neural Machine Translation
- Evaluated challenges to improve and adopt NLP to less-focused and low-resourced areas
- Experimented Transfer Learning, Multi-lingual Transfer & Language Modelling for different NLP projects
- Implemented Web Interface for Machine Learning & Deep Learning Apps using Django
- Collaborating with colleagues to create presentations, write research articles and conduct meetings with clients

Software Engineer   Jul. 2013 – Sep. 2018
Project Vision   *Islamabad, Pakistan*

- Devised and executed phase-wise approach to migrate Command & Control modules of an Air Space Management System from Apple i386 architecture to Intel-Xeon based hardware
- Revamped existing back-bone encoding algorithm for efficient, reliable, and real-time communication of primary and secondary Radars
- Collaborated with international teams to carried out system integration with Airborne Warning and Control Systems (AWACS)
- Provided assistance to HR team in conducting first and second round interviews for software developer applicants

HONORS

PhD Scholarship Award : Science Foundation Ireland, D-real (SFI d-real), Ireland (2023-2027)
Merit Award (3MT) : College of E&ME, (NUST), Pakistan (2022)
Summer College : Selected for 1-week International Summer College (INSC), Pakistan (2022)
Certificate of Appreciation : CPD Project Vision, Pakistan (2017)
Vice Chancellor's Gold Medal : Institute of Information Technology, QAU, Pakistan (2016)
Academic Scholarship Award : Institute of Information Technology, QAU, Pakistan (2011-2013)

TECHNICAL SKILLS

Programming: Proficient in C, C++, Matlab, Java, Python and LATEX
Toolkits and Frameworks: Git, PyTorch,TensorFlow, fairseq, transformers, POSIX Threads, ElasticSearch
Developer Tools VS Code, Visual Studio, IBM ALM , Eclipse