

Huzama Ahmad

PH.D. RESEARCHER · ARTIFICIAL INTELLIGENCE

Seoul, Rep. of KOREA

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“Be the change that you want to see in the world.”

Education

KAIST(Korea Advanced Institute of Science & Technology)

Seoul, S.Korea

PH.D. IN ARTIFICIAL INTELLIGENCE

Aug. 2022 - Now

- Advisor: Song Chong
- Co-Advisor: James Thorne

KAIST(Korea Advanced Institute of Science & Technology)

Seoul, S.Korea

M.S. IN ARTIFICIAL INTELLIGENCE

Aug. 2021 - Aug. 2022

- Advisor: Song Chong
- Co-Advisor: James Thorne

NUST(National University of Sciences & Technology)

Islamabad, Pakistan

B.E. IN COMPUTER SCIENCE AND ENGINEERING

Sep. 2017 - July. 2021

- Thesis: IoT-Based Intelligent Manufacturing Execution System with Predictive Analysis

Professional Experience

Korea Advanced Institute of Science & Technology

Seoul, S.Korea

AI RESEARCHER

Aug. 2021 - Now

- Working as a server manager in xfact lab.
- Working in xfact lab on Large Language Models.
- Worked on Vision Language Navigation with Reinforcement Learning.

RiseTech

Islamabad, Pakistan

RESEARCH INTERN

Mar. 2021 - July 2021

- Worked on spine segmentation with UNET for scoliosis diagnosis.
- Worked on CXR abnormality diagnosis using ViLBERT.

RiseTech

Islamabad, Pakistan

WEB DEVELOPER

Sep. 2019 - Oct. 2019

- Contributed to developing an Angular-based website.

microTech Services(Pvt) Ltd

Islamabad, Pakistan

ANDROID APP DEVELOPER

July. 2019 - Sep. 2019

- Contributed to developing an Android-based application, “Amber Chat,” for a secure communication.

EME Centre of Innovation & Entrepreneurship

Islamabad, Pakistan

EMBEDDED SYSTEM ENGINEER

Oct. 2018 - Dec. 2018

- Worked on a Real-time operating system for a microcontroller for low-latency applications.

Publications

ARXIV

Mitigating Feedback Inconsistency in Large Language Model Self-Tuning
Jiwoo Hong, **Huzama Ahmad**, Minsu Kim, James Thorne

UNDER REVIEW

Analyzing Efficacy of Pivot Techniques in LLMs for Low Resource Languages. Dec, ARR
Uzair Ahmed, Muhammad Faizan Zahid, **Huzama Ahmad**, James Thorne, Alice Oh

Teaching Assistant

Fall 2023 **AI605: Deep Learning for Natural Language Processing**, Teaching Assistant

KAIST AI

Honors & Awards

AWARDS

- 2018 **Commandant Gold Medal of Excellence**, National University of Sciences and Technology
- 2017 **Commandant Silver Medal of Excellence**, National University of Sciences and Technology

Isb., Pakistan
Isb., Pakistan

SCHOLARSHIPS

- 2021 **Fully funded Ph.D. Program**, Korea Advanced Institute of Science & Technology
- 2020 **Merit Based Scholarship**, National University of Sciences and Technology
- 2019 **Merit Based Scholarship**, National University of Sciences and Technology
- 2018 **Merit Based Scholarship**, National University of Sciences and Technology

S. Korea
Pakistan
Pakistan
Pakistan

Miscellaneous

SKILLS

Mathematical Background	Probability and Statistics, Linear Algebra, Multivariate Calculus, Complex Variables & Transforms, Ordinary Differential Equation, Numerical Methods
Soft Skills	Analytical problem solving, Critical thinking, Team work
Programming	Python, C++, Assembly, LaTeX, Matlab
Languages	English, Urdu

CERTIFICATES

- Jan. 2023 **Specialization: Natural Language Processing**, DeepLearning.AI
- Sep. 2022 **Specialization: Reinforcement Learning**, University of Alberta
- Oct. 2021 **Specialization: Deep Learning**, DeepLearning.AI
- Oct. 2021 **Specialization: Mathematics for Machine Learning**, Imperial College London

Coursera
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