

CURRICULUM VITAE

Muhammad Jamal Ahmed

PERSONAL DETAILS

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ACADEMICS QUALIFICATIONS

2019-2021(August) **Master of Science in Computer Science** (GPA 4.05/4.3; top 1%). Kyungpook National University, Daegu, South Korea

Supervisor: Prof Anand Paul (Principal supervisor)

Achievements:

- GPA of 4.05/4.3 (top 1%)
- Published 1 papers as a co-author and submitted one first-author paper in International Journal
- **Best Paper Award** at International conferences on Multimedia Information Technology, and Applications, Haeundae-gu, Busan, South Korea

2011-2015 **BS Hons Computer Science** University of Engineering and Technology, Peshawar, Pakistan.

Supervisor: Dr. Imran Khalil

SELECTED CONFERENCES AND SYMPOSIA PRESENTATIONS (since 2012)

1. Malik Urfa Gul, Anand Paul and **Muhammad Jamal Ahmed**. 2020. "Data mining based on Singular Value Decomposition for Geriatric Hospital Recommendation Service". International conferences on Multimedia Information Technology and Application, **South Korea (Paper)**
2. Faisal Saeed, Anand Paul, **Muhammad Jamal Ahmed**. 2020. Forecasting COVID-19 Cases using Multiple Statistical Models. The 8th International conference on Orange Technology, Daegu, **South Korea (Paper)**

AWARDS

1. **Best Paper Award** on "Data mining based on Singular Value Decomposition for Geriatric Hospital Recommendation Service". International conferences on Multimedia Information Technology and Application, **South Korea (Paper)**

RESEARCH PUBLICATIONS

Published/In Press Papers/ Accepted

1. **Muhammad Jamal Ahmed**, Faisal Saeed, Anand Paul, Seungmin Rho, and Siddique Jan. 2020. "Spectral Clustering based on Weighted K-nearest neighbors Graph". **Under review** in **Journal of supercomputing [IF: 2.469]**
2. Faisal Saeed, Anand Paul, **Muhammad Jamal Ahmed**, Malik Junaid Jami Gul, Won-Hwa Hong, and Hyuncheol Seo. 2020. "Intelligent Implementation of residential Demand Response using Multiagent System and Deep Neural Networks". **Accepted** in **Concurrency and Computation: Practice and Experience [IF: 1.447]**

EMPLOYMENT HISTORY

Current **Research Assistant** – Connected Computing and Media Processing Lab, Kyungpook National University, South Korea
Project: Brain **Korea (BK) 21 plus** research association groups. Deep Learning, and Machine Learning.

06/2013-12/2013 **Research Assistant** (self-funded) – National University of Computer and Emerging Sciences (Peshawar Campus)

Key Tasks:

- Writing the research proposal, exploring the literature review, discussing the proposed project with supervisors and with experts or colleagues
- Performing experiments, gathering and processing data, data analysis
- Presenting the results in seminars and in conferences (local and overseas)
- Lab general management

03/2015-02/2016 **Lecturer** (Full Time) - Adil Edu Care Model School, Shabqadar, Pakistan

Key tasks:

- Instructed lectures and practices (computer science) to school students
- Conducted and marked exams

04/2016-05/2018 **Lecturer** (Full Time) - Askari Foundation School and College, Shabqadar, Pakistan

Key tasks:

- Instructed lectures and practices (computer science) to school and college students
- Conducted and marked exams

TRAININGS/ WORKSHOPS

- A 2-day International workshop on **"Is Blockchain and AI solution for cybersecurity?"** held at Kyungpook National University, South Korea and Avinashiligam Institute for Home Science and Higher Education for Women, India, Oct 2020.
- A 2-day International workshop on **"Cyber Attacks and Attack Handling Methods"** held at Kyungpook National University, South Korea and Avinashiligam Institute for Home Science and Higher Education for Women, India, Oct 2020.

- A 2-day beginner-level workshop on “Cloud computing” held at University of Engineering and Technology Peshawar, Oct 2013.
- Attended a seminar on “Programming skills” presented by Code for Pakistan, September 2014.

SKILLS

- Experimental Design, Data analysis, Writing Scientific articles/blogs
- Python, R, C++
- Bioinformatics tools
- MS Office (Word, Excel, PowerPoint), Endnote, Latex

VOLUNTEER EXPERIENCES

- Participated as a volunteer teacher for one week. My role was to demonstrate and teach year 10 physics, math and computer science.
- Participated as a volunteer at “Awareness of Computer Science and Technology” organized by the Department of Computer Science, NU-TECH (15/12/2016 – one day). Demonstrated different activities for year 9 and 10 school students who intend to study Computer science.

SCHOLARSHIPS/GRANTS

Scholarships:

- KNU Honorary Scholarship for Master studies 2019-2021.
- KNU International Graduate Scholarship (KINGS) 2019-2021.

Grants Awards:

- Brain Korea (BK) 21 PLUS research grants on behalf of research publications (2019-2021).

REFEREES

Professor Dr. Anand Paul

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Relationship: Principal Advisor

Associate Prof Dr. Sadeeq Jan

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Relationship: Mentor