Md. Zahidul Hasan

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RESEARCH INTEREST

Computer Vision, Time Series Forecasting, Deep Sequence Modeling, Representation Learning

EDUCATION

Concordia University — Montreal, Canada
MASc in Quality Systems Engineering, **CGPA:** 3.98 out of 4.3 — Jan. 2024 – Present

University of Dhaka — Dhaka, Bangladesh
BSc in Computer Science and Engineering, **CGPA:** 3.51 out of 4.00 — Jan. 2015 – Dec. 2018

PUBLICATIONS

LuKAN: A Kolmogorov-Arnold Network Framework for 3D Human Motion Prediction
Md Zahidul Hasan, Abdessamad Ben Hamza, Nizar Bouguila.
Accepted at *British Machine Vision Conference (BMVC)*, **2025**.
Code: https://github.com/zadidhasan/LuKAN

HP-KAN: Time Series Forecasting with Hahn-Activated Kolmogorov-Arnold Networks
Md Zahidul Hasan, Abdessamad Ben Hamza, Nizar Bouguila.
Under review at *Association for the Advancement of Artificial Intelligence (AAAI)*, **2026**
Code: https://github.com/zadidhasan/HPKAN

Involution fused convolution for classifying eye-tracking patterns of children with Autism Spectrum Disorder
Md. Farhadul Islam, Meem Arafat Manab, Joyanta Jyoti Mondal, Sarah Zabeen, Fardin Bin Rahman, Md. Zahidul Hasan, Farig Sadeque, Jannatun Noor
Published in *Engineering Applications of Artificial Intelligence (EAAI)*, **2025**

PROFESSIONAL EXPERIENCE

Concordia University — Montreal, Canada
Graduate Teaching Assistant — Sep. 2024 – Present
Courses: INSE 6220: Advanced Statistical Approaches To Quality

BRAC University — Dhaka, Bangladesh
Lecturer and Course Coordinator — Sep. 2019 - Dec. 2023
Courses Taught: Machine Learning, Artificial Intelligence, Graph Theory, Data Structures, etc.

Samsung R&D Institute Bangladesh — Dhaka, Bangladesh
Software Engineer — Apr. 2019 - Sep. 2019
Reviewed state-of-the-art deep object detection models and contributed to internal research reports for the developer experience group.

SCHOLASTIC AWARDS AND SCHOLARSHIPS

Concordia Merit Scholarship, 2024 Awarded for academic excellence during Master's at Concordia University.

ACM ICPC Dhaka Regional Site, 2017 Ranked 10th among 150 teams.

National Onsite Programming Contests in Bangladesh, 2016-17 Placed in the top 10 in four national collegiate programming contests. Our team ranked 4th, 5th, 6th, and 7th.

International Mathematical Olympiad 2013 Honorable Mention among 527 participants from 97 countries.

Asian Pacific Mathematical Olympiad 2013 Bronze Medal among 307 participants from 34 countries.

Bangladesh National Mathematical Olympiad I was dubbed the **Champion of the Champions** (1st position) in my first participation in 2011. Achieved 3rd, 4th, and 3rd positions nationally in 2012, 2013, and 2014, respectively.

PROGRAMMING SKILLS

Skills: Programming, Problem Solving, Algorithms, Data Structures, Optimization, Mathematics, ML, Data Science.
Languages and Libraries: C, C++, Python, Java, PyTorch.