



Emran Ali

Education | Research | Development

I am an enthusiastic, hardworking, and patient life-long learner who has experience in teaching and research at university with industrial development skills. I developed excellent critical thinking, problem-solving, computer programming, communication, and management skills throughout my studies and professional periods. I wish to expand and use my knowledge and experiences to contribute to the outcome based productive progresses in leading universities, institutes and industries anywhere in the world.

Contact

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Website

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Expertise

- Data Analytics
- Machine Learning
- Signal Processing
- iOS App Development

Research Area

- Data Science & Analytics
- Machine (Deep) Learning
- Health Informatics & MedTech
- Disease Detection and Prediction
- (Bio)Signal Processing
- Time-series Data Analysis
- Business & Market Analytics

Personal Skill

- Critical Thinking
- Problem Solving
- Communication
- Leadership

Programming Language

- Python
- Java
- Objective-C
- C/C++
- R
- SQL
- PHP

Language

- English
- Bengali (Bangla)

Membership

- IEEE
- IEEE EMBC

References

Available upon request

Summary

- Teaching experience: >8 Years
- Research experience: >9 Years
- Software development experience: around 3 Years
- Research publications: >11
- Institutional involvement: 3
- Industry involvement: 5
- Research collaboration with institute-industry involvement: 4
- Specialisation certificate: >5

Education

- **Ph.D. in Information Technology | 2023-Till date (Ongoing)**
Deakin University, Melbourne, Australia - joint with Coventry University, Coventry, The UK
A Machine Learning-Based Analysis of Sleep Patterns in Aging Using Physiological Signals
- **M.Sc. (by Reserach) in Information Technology | 2020-2022**
Deakin University, Melbourne, Australia
Minimising Electroencephalogram Channels for Epileptic Seizure Detection
- **B.Sc. in Computer Science and Engineering | 2007-2012**
Hajee Mohammad Danesh Science and Technology University (HSTU), Dinajpur, Bangladesh
Advanced String Searching Mechanism with Indexed Binary Search for J2ME English to English Dictionary Application

Experiences

- **Research Assistant | Casual | 2020-2023**
Deakin University, Melbourne, Australia
Research Project, Industry Collaboration: Machine (Deep) Learning, Industry Solution
- **Casual Academic (Teaching+HelpHub) | Casual | 2020-2022**
Deakin University, Melbourne, Australia
Tutoring, HelpHub: Python Programming Language, Machine Learning, Database, C, C++
- **Faculty Member (Teaching and Research) | Full-time | 2014-2022**
HSTU, Dinajpur, Bangladesh
Teaching, Research, Funding, Collaboration
- **Software Developer & Project Dev. Manager | Full-time | 2012-2014**
Advanced Apps Bangladesh Limited, Dhaka, Bangladesh
iOS, Android, Web App Development+Testing, Project+Team+Client Management

Awards and Recognitions

1. Cocutelle Ph.D. Fellow, Deakin University, Australia & Coventry University, the UK, 2023.
2. Deakin University Post-graduate Research Scholarship (DUPRS), Deakin University, Australia, 2023.
3. Bangabandhu Science and Technology Fellowship (BSTF), Bangabandhu Science and Technology Fellowship Trust (BSTFT), Ministry of Science and Technology, Bangladesh, 2020..
4. Best Presentation Award, Annual Conference (2021), School of IT, Deakin University.
5. Best employee award in AAPBD, 2013.
6. Ranked 1st from Bangladesh in the entrance exam-2013 for Masters Program at South Asian University (SAU), India, operated by SAARC (<https://www.saarc-sec.org>).
7. Ranked 1st in the batch in Bachelors from CSE department at HSTU, 2012.
8. Ranked 1st in the Intra-University Computer Programming Contest (CPC) at HSTU, 2009.

Profiles

LinkedIn	https://bd.linkedin.com/in/wwwmemran
Google Scholar	https://scholar.google.com/citations?user=ej8d6LkAAAAJ
GitHub	https://github.com/WWW-EMRAN
ORCID	https://orcid.org/0000-0003-3095-5265