

Md Abdul Karim

CONTACT

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SUMMARY

I'm an enthusiast researcher working to better understand how modern artificial intelligence technologies can be used for better human life. My expertise includes deep learning, computer vision, and the development. My primary focus is to develop scalable and robust deep learning based solutions for real-life problems.

PROFESSIONAL EXPERIENCE

StylzMedia Ltd

Dec 2021 — Currently Working

Sr. Software Engineer

- Project requirement analysis
- Client meetings & Team Lead
- Database design & Making Rest API
- Server manage (AWS, WHM, Cpanel)

United IT Solution LTD

Jul, 2020 — Nov, 2021

Sr. Software Engineer (Jan-2021, Nov-2021), Software Engineer (Jul -2020, Dec-2020)

- Project requirement analysis
- Database design with the proper relationship
- Making Rest API & Build project with optimize way

EDUCATION

Bachelors in Computer Science and Engineering

May, 2016 — Jun, 2020

University of Asia Pacific

- CGPA: 3.64 out of 4.00

TECHNICAL SKILLS

- **Machine Learning:** Deep learning algorithms (Convolutional Neural Network, Recurrent Neural Network), Predictive modeling, Decision analysis, Data Analysis, Statistical Analysis.
- **Packages/Frameworks/Libraries/Tools:** Keras, Tensorflow, Sci-kit learn, OpenCV, PyTorch, Laravel, VueJs, NuxtJS,
- **Data Structures and Algorithms:** Advanced data structures, Dynamic Programming, Number Theory.
- **Database:** MySQL, MariaDB, SQLite
- **Operating System:** Strong knowledge of UNIX based operating systems, Mac, Windows Operating System.
- **Programming Language:** C, C++, Java, Python, PHP, Java Script, HTML, CSS, SQL.
- **Other Technical Skills:** Adobe Photoshop, Git, AWS, Latex, Arduino, phpstorm

PROJECTS

IoT based voice controlled home automation system:

- This system was developed as a course project for CSE 306.
- For operate and visualizing i am using smart phone and also web browser and tools

was module ESP8266, 4 channel relay, gas sensor, jumper, etc.

- This systems provides current status of switch, ON/OFF functionality, room gas live measurement.

PUBLICATIONS

Book Chapters:

1. **Abdul Karim, M.**, Razin, J.I., Ahmed, N.U., Shopon, M. and Alam, T., 2021. An Automatic Violence Detection Technique Using 3D Convolutional Neural Network. In *Sustainable Communication Networks and Application* (pp. 17-28). Springer, Singapore.
2. Razin, J.I., **Abdul Karim, M.**, Mridha, M.F., Rafiuddin Rifat, S.M. and Alam, T., 2021. A Long Short-Term Memory (LSTM) Model for Business Sentiment Analysis Based on Recurrent Neural Network. In *Sustainable Communication Networks and Application* (pp. 1-15). Springer, Singapore.

Conference:

1. **Karim, M.A.**, Rafiuddin, S.M., Islam Razin, M.J. and Alam, T., 2022, March. Isolated Bangla Handwritten Character Classification using Transfer Learning. In *Proceedings of the 2nd International Conference on Computing Advancements* (pp. 11-17).
2. Bhuiyan, H., **Karim, M.A.**, Ara, J., Al Omar, A., Islam, S., Karim, F.B. and Governori, G., 2022, July. Matrib leaf classification using Deep Neural Network: An Integrated Image Processing Technique. In *2022 IEEE Region 10 Symposium (TENSYP)* (pp. 1-6). IEEE.
3. Bhuiyan, H., **Karim, M.**, Karim, F.B. and Ara, J., 2021, September. Semantic Improvement of Question-Answering System with Multi-Layer LSTM. In *International Conference on Computational Science and Its Applications* (pp. 338-352). Springer, Cham.

HONORS AND AWARDS

- **Dean Award** - Fall 2019 (Unviersity of Asia Pacific, Dhaka, Bangladesh)
- **Dean Award Award** - Spring 2017 (Unviersity of Asia Pacific, Dhaka, Bangladesh)

CERTIFICATION / ACHIEVEMENT

- Hackathon UAP carnival- 2020(Participant)
- Software Exhibition UAP -2020(Participant)
- Certificate of Inter Department Programming Contest 2018(Participant)
- Certificate of Inter Department Programming Contest 2018(Participant)
- Certificate of Student Leadership Development 2016(Participant)
- Certificate of Math Olympiad 2013,2012,2011(Participant)

REFERENCES

1. Tahira Alam

- Assistant Professor, Department of Computer Science and Engineering, University of Asia Pacific
- Email: tahia.cse@uap-bd.edu

2. M. Firoz Mridha Ph. D.

- Associate Professor, Department of Computer Science and Engineering, American International University Bangladesh
- Email: firoz.mridha@aiub.edu