Riddhiman Adib

adib2149.github.io

Email : riddhiman.adib@marquette.edu

Mobile : +1 (414) 248 6560

OBJECTIVE

Second year graduate student working towards a Ph.D., with strong communication skills and ability to explore novel research methodologies independently or as part of a team. Actively seeking a machine learning or data engineering internship.

EDUCATION

- **Marquette University** — Milwaukee, WI
  Ph.D. in Computational Sciences; GPA: 3.95 — *Aug. 2017 – (Expected)May. 2022*

- **Bangladesh University of Engineering and Technology** — Dhaka, Bangladesh
  Bachelor of Science in Electrical and Electronics Engineering; GPA: 3.32 — *May. 2010 – Sep. 2015*

EXPERIENCE

- **Ubicomp Lab** — Marquette University, Milwaukee, WI
  Graduate Assistant, Lab Manager — *Aug. 2017 - Present*
  - **Graduate Research Assistant**: June 2018 - Present: Working multiple projects, involving 'Causal Inference'
  - **Graduate Teaching Assistant**: Aug. 2017 - May 2018: Management of Quiz sections, grading, course curriculum for Calculus 1, Calculus 2.

- **Harriken.com Limited** — Dhaka, Bangladesh
  Software Engineer — *Oct. 2015 - May. 2017*
  - **Android Lead**: Apr. 2016 - May. 2017: Maintenance and bug-fixing of the existing Android App, planning and executing app expansions and upgrades by research & development.
  - **Software Developer**: Oct. 2015 - Mar. 2016: Building the mobile solution from scratch on Android Platform, setting up the server, database and static file hosting ecosystem in Amazon Web Services.

PUBLICATIONS

- Ahsan, G. M. T., Tumpa, J. F., Adib, R., Ahamed, S. I., Petereit, D., Burhansstipanov, L., ... & Dignan, M. (2018, July). A culturally tailored intervention system for cancer survivors to motivate physical activity. In 2018 IEEE 42nd Annual Computer Software and Applications Conference (COMPSAC) (Vol. 1, pp. 875-880). IEEE.

- Hasan, M. K., Haque, M. M., Adib, R., Tumpa, J. F., Begum, A., Love, R. R., ... & Sheikh, I. A. (2018). Smarthelp: Smartphone-based hemoglobin level prediction using an artificial neural network. In AMIA Annual Symposium Proceedings (Vol. 2018, p. 535). American Medical Informatics Association.

- Ashikuzzaman, M., Ali, J., Adib, R., Hossain, M. M., & Mahmood, S. A. (2016). HgI2 As X-ray Imager: Modulation Transfer Function Approach. IJMRET, 1(2), 1-4.

PROJECTS

- **Causal Inference**: Application of causal inference framework in finding effects of drug intervention and causation of delirium patients in the ICU
- **mHealth Support System 1**: Electronic Palliative care solution for critically ill people in developing countries
- **mHealth Support System 2**: System development for discharge intervention for children after solid organ transplant

PROGRAMMING SKILLS

- **Languages**: Python, Java, Matlab, PHP, SQL, C/C++
- **Technologies**: Django, Android Framework, Pandas, MySQL, PostgreSQL, AWS, Azure, Ubuntu

CO-CURRICULAR ACTIVITIES

- **Film-making**: General Secretary, BUET Film Society (Oct 2014 - May 2015)
- **Music**: Lead singer in multiple music shows, 3rd position in Inter Cadet College Literary and Music Meet, 2008
- **Basketball**: Basketball player, Champion team in Inter hall Basketball Competition, BUET, 2015