MADIHA KAMRAN

416-893-8269
madiha.manzoor@gmail.com
www.linkedin.com/in/madiha-kamran

Brand Statement

Passionate developer with previous training and programming experience in telecommunication, keen at troubleshooting problems and curious to learn new technologies, ready to take on new challenges.

Projects

- Vision habit tracker- **React**, NodeJS, MongoDB, Quotes API, React Calendar, **React Victory** for charts
- Travelogue - **Python**, **Django**, **postgresSQL**, **Google Maps API**, **Google Javascript API**, **Openweather Maps Weather API**
- Cookbooks - Wev App - developed with **Express**, **NodeJs**, **Imgur API** and **Bulma** for CSS, and **app's JSON API** for further integration with **pdfmake** API.
- Snakes&Ladders - Web Game - developed with **HTML**, **CSS** and **JavaScript** with a little SVG
- MEng Project –MapPlus - Deployment/troubleshooting/upgrade of mobile application and server , worked on **Android Studio, IntelliJ, Postman, Amazon Web server**
- MSc Thesis - Performance Analysis of WiMax IEEE 802.16d over SUI channels - **Malab/ C++** coding of SUI channels on IEEE 802.16d system developed by DSP team at KICS
- BS FYP - Software Defined Radio- **Matlab/Verilog** Multi-protocol adaptive radio communication system

Work Experience

Al-Khwarizmi Institute of Computer Sciences (KICS), UET Lahore, as Assistant Manager in the HUAWEI- UET Joint Telecom & IT Centre (2007-2016) -

- Conducted trainings on Huawei's BTS312, BSC32, BTS3012, BSC6000, Radio Network Optimization as training instructor, for thousands of undergraduate students from engineering universities all over the country to prepare them enter the competitive telecom industry
- Led NAVTTC's Telecom Training project to educate Matric/FSc/DAE holders about communication system fundamentals and Huawei equipment (2015-2016).
- Developed and conducted training on **LTE Physical layer implementation training with Matlab simulations** in KICS (September 2014), for undergraduate and graduate students and faculty members
- Led, completed and launched the project on 3G/4G updated trainings on BTS3900, BSC6900, HLR9820, MSoftX3000 and at HUTIC-KICS (Aug 2014)
- Conducted training on 3G RF Optimization in collaboration with a telecom company KomKonsult at HUTIC (2014) for the company employees
- Conducted **C++ coding exercise sessions in training on WCDMA** system implementation and issues at KICS (2012)

Seminars, Trainings & Workshops

- Attended Seminar on 5G Technologies arranged in LUMS (2015)
- Conducted lecture series on 2G/3G/4G telecom network in Electrical Engineering Department, UET (2015) for university's electrical engineering final year undergrad students
- Attended Workshop on **Women Empowerment & Leadership** by COMSATS (2015)
- Attended training on Spectrum Management (WRAP) at KomKonsult (2015)
- Attended Teachers training by QEC at UET (2014)
- Conducted communication systems lab in Electrical Engineering Department (2014)
- Attended training on 3G RF Optimization & Regulatory Issues at CARE Islamabad (2014)
- Attended One month orientation and training in Warid Telecom (2013)
- Attended Huawei's NE routers and LAN switch 1st Line maintenance training (2011)
- Attended Huawei's HCDP Fast track training(2011)
- Conducted seminars on UMTS/WCDMA Physical layer, UMTS, HSDPA & HSUPA at KICS and Superior University (2010)
- Attended Advanced GSM Radio Network Optimization training from Huawei university Shenzhen, China (2009)
- Attended Qualcomm training on UMTS/WCDMA PHY at IQRA University, Islamabad(2009)

Proposals & Publications

- Wrote winning proposals on HR development in Mobile Applications to ICTRDF accepted in (2012) and an international project of Asia mLabs funded by World Bank and infoDev (2011)
- Published an article on 3G Technologies in a technical magazine, "More" (https://issuu.com/moremag/docs/jul09)

Volunteering Experience

- Dig-in Club (2018-2019)
- Muslim Student Association (2017)
- Kitchen Community (2017)
- Hart House Farm committee (2016-2019)

Qualifications	
Level	**Institution**
Software Engineering Immersive (2020)	General Assembly, Toronto
MEng Electrical & Computer Engineering (2018)	University of Toronto, Toronto, Canada
M.Sc. Electrical Engineering (2012)	University of Engineering & Technology, Lahore, Pakistan
B.E. Computer Engineering (2007)	College of Electrical & Mechanical Engineering, (NUST), Islamabad, Pakistan