

MUHAMMAD AHSAN FAROOQUI

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To contribute and excel in field of Data Science and Machine Learning for benefit of mankind

EXPERIENCE

JANUARY 2019 – PRESENT

RESEARCH ENGINEER, KNOWLEDGE PLATFORM

Study, research and implement different aspects of Artificial Intelligence, Machine Learning, Big Data and Data Science to create a smart recommender system for e-learning platform followed by a personalized learning path for all students. Skills include SQL, Neo4j, Apache Hadoop and Azure HDInsight stacks, Python, ML tools (scikit-learn, tensorflow).



APRIL 2018 – JANUARY 2019

DEV TEAM LEAD, OPENWARE BUSINESS

Lead team of developers working on ERP solution, Robotic Process Automation proof of concepts and data information management systems. Successfully delivered POC to Nayatel for “Automated Network Monitoring and Troubleshooting through Virtual Agents”



AUGUST 2016 – JANUARY 2018

3G OPTIMIZATOIN CONSULTANT, HUAWEI TECHNOLOGIES /LCC

3G Network Optimization for Jazz (A VEON company) network on super 3G project, swap projects, Warid-Jazz merger projects etc.



SEPTEMBER 2013 – JUNE 2016

RADIO DESIGN & OPTIMIZATOIN ENGINEER, ERICSSON PAKISTAN

Design Engineer for 2G Swap project for ALU-Ericsson Swap, TRX expansions, 3G rollout project.



JULY 2012 – AUGUST 2012

WELL SERVICES INTERN, SCHLUMBERGER

6 WEEKS INTERNSHIP

JUNE 2012 – JULY 2012

MUD LOGGING AND WIRELINE LOGGING INTERN, OGDCL

4 WEEKS INTERNSHIP

EDUCATION

AUGUST 2009 - JUNE 2013

BS ELECTRONICS ENGINEERING, GIK INSTITUTE OF ENGINEERING SCIENCES & TECHNOLOGY, PAKISTAN

- FINAL YEAR PROJECT: COMPUTER GENERATED HOLOGRAPHY

SKILLS

- Python Programming
- Exploratory Data Analysis
- Recommender System techniques
- Arduino Programming
- Data wrangling and preparation
- Machine Learning
- Visual Basic (MS excel)
- Front End Web Development (HTML, CSS)

TOOLS

- Jupyter Notebook
- Gephi
- Ubuntu 18.04
- Neo4j
- Apache Airflow
- Microsoft Office (Excel, Word, Powerpoint)
- Big Data Tools (Hadoop framework)
- ELK stack
- Python Tensorflow Library
- Apache Spark
- Azure HDInsight
- Web Frameworks (Django, Flask,

INTERNATIONAL MEMBERSHIPS

- IEEE Computer Society
- Internet Society
- Opensource Foundation Pakistan

VOLUNTEER POSITIONS

IEEE ISLAMABAD SECTION INDUSTRY RELATIONS CHAIRPERSON (JAN 2018 - PRESENT)

- Under this role, I am working to promote industry-academia partnership and trying to bridge gaps between what is being taught in academia and what is required in industry.

VICE CHAIR, PUBLIC RELATIONS AT IEEMADC (JAN 2017 – PRESENT)

- I am part of a global outreach to promote the usage of Mobile Apps for betterment of humanity.

IEEE DAY CONTESTS LEAD (JAN 2017 – PRESENT)

- I am managing Photo and video contests in which hundreds of IEEE members from across the world participate after celebrating IEEE Day. Contests encourage their volunteer efforts and depict their motivation for serving humanity through technology.

TEAM MEMBER, IEEE REGION 10 INDUSTRY RELATIONS (2019 - PRESENT)

- Working to bridge industry and academia gaps by arranging Industry Tracks across Asia Pacific Region.

RESEARCH PUBLICATION

Farooqui, M.A. , Khan, M. S. , Salman, A., '[Producing Products, The Green Way : Road to Pakistan](#)' in [International Conference on Business Management \(ICoBM\) 2013](#), February 20 - 21, 2013, University of Management and Technology, Lahore.

ACTIVITIES AND INTERESTS

- Successfully arranged Two episodes of IEEE Industrial Biennale that includes IEEE Industry-Academia Meetup followed by presentations by companies.
- Was presented certificate of recognition by Mr. Ahsan Iqbal (Minister Planning, Government of Pakistan) on achievements in IEEE Asia Pacific awards.
- Participated in 1st Hajj Hackathon (August 1-3, 2018 in Jeddah) and developed a project named "Hajj API".
- Leading the IEEE Islamabad's Data Science working group (2018 – onwards)
- Lead the Industry Relations and Membership development activities for IEEE in Pakistan (2018 - onwards)
- Lead the team to organize first Pakistan Student Computer Society Congress and IEEE Pakistan Student/Young Professionals/WIE congress (2015)
- 3rd Prize at Civic Hackathon Competition held at Islamabad for developing an app mockup within 24 hours (2016).
- Represented Pakistan at Dhaka, Bangkok, Hyderabad (India), Colombo and Dubai in various IEEE meetings and events (2013-2016).
- Volunteered at The Citizens Foundation's One Day Career Workshop in Nowshera. (2016)
- Was part of organizing team of Conference: "Pakistan Energy Options" organized by SOPREST, and GIK Institute in Islamabad (2012)
- Organized IEEE Pakistan Student Congress 2012 for the first time at GIK Institute as the coordinator of Congress.
- Led a team to National Engineering Robotics Competition (NERC), 2011 held at NUST.
- Led a team to Future Flight Design, 2011 (FFD) held at Istanbul, Turkey.
- Delivered Several Workshops on basic circuitry of Line following robots and motor control circuits under flag of IEEE GIKI. (2009-2013)