
SARWAN ALI

House # t – 1848 sarhad street #2 gulberg #3 Peshawar, Pakistan 25000

Mobile: +923239549789

16030030@lums.edu.pk

Date of Birth: July 11, 1993

EDUCATION

Lahore University of Management Sciences
MS (Computer Science)

August 2016 - June 2018

University of Engineering and technology (UET) Peshawar
BSCS (Computer Science)

August 2012 - June 2016

CERTIFICATIONS/TRAININGS

- Trainings for developing National Student Satellite (PNSS-1) mission at Pakistan Space and Upper Atmosphere Research Commission (SUPARCO)
- Android Certification from UET Peshawar

Experience

- LUMS
Research Assistant - Computer Science - Data Science
I am Working as a Research Assistant in Big Data analytics Lab at LUMS
July 2018 - Present
- Teaching Assistant
TA For "CS 5312 Big Data Analytics" course
January 2019 - May 2019
- Teaching Assistant
TA For "CS 510 Design & Analysis of Algorithm" course
August 2018 - January 2019
- Teaching Assistant
TA For "CS 210 Discrete Mathematics" course
August 2017 - January 2018
- Web Developer
Responsible for developing website for High Performance Computing in LUMS. Website can be assessed on this link <https://hpc.lums.edu.pk/>
July 2017 - September 2017
- UET Peshawar
Instructor
Responsible for Coaching classes on Android at UET Peshawar.
June 2016 - July 2016
- Freelancing Software Developer
I have developed several websites and android applications as part of freelancing projects
January 2014 - Present

RESEARCH AND PUBLICATIONS

- Short Term Load Forecasting Using Smart Meter Data (Accepted in e-Energy 2019 Conference)
<https://dl.acm.org/citation.cfm?id=3330173>
- Combinatorial Trace Method for Immunization of Large Networks (Submitted in Journal of Information Sciences 2019 for Peer Reviews)
<https://drive.google.com/file/d/19bvNm3yok6DqFNmBHN7eEjV9ze08Aqc8/view?usp=sharing>
- Hour-Ahead Load Forecasting Using Smart-Meter Data (F-SMD) (To be submitted in IEEE Transactions on Smart Grid 2019)
https://drive.google.com/file/d/1aNEJXw3Zq7RQI_N-7JvyQLi02jvcrLjo/view?usp=sharing
- Augmenting Similarity Triplets for Enhanced Analytics and Kernel Evaluation (To be submitted in AAAI 2019 Conference)
<https://drive.google.com/file/d/1PQeIRjd6hGm5jcx0kZwgEs2iy58z7Me1/view?usp=sharing>
- Predicting Attribute of Nodes in a Network (Masters Thesis "To be submitted in ACM Transactions on Intelligent Systems and Technology 2019")
https://drive.google.com/file/d/1rQnJjb8_37PPscpsXEOL_DTMdv-Ue7uj/view?usp=sharing
- Fair Allocation Based Soft Load Shedding (To be submitted in ACM Transactions on Intelligent Systems and Technology 2019)
https://drive.google.com/file/d/1QsJ5lUVD55eu8a7it3uScQWivbn8_IIM/view?usp=sharing
- Cache Replacement Algorithm (Undergraduate Thesis)
<https://drive.google.com/file/d/1usVQ8k7FC4c-1M7wH9cQfvVyU8JZ02Ho/view?usp=sharing>
- Graph2vec based technique for Graph Classification (Currently working on it)

PROJECTS

- Detecting Overlapping Clusters In Attributed Graph (Big Data project during Masters Studies)
- Soft Load Shedding an approach to manage electricity demand and generation gap (Project During Masters Studies)
- Search Engine for Source Code (Software reuse project during Masters Studies)
- Tone Mapping Algorithms in High dynamic Range imaging and their comparisons (Image compression project during Masters Studies)

ADDITIONAL SKILLS AND EXPERIENCE

- I.T SKILLS: As an I.T professional, I have good command in all fields of computer science including programming, database, networking, computer architecture, operating system, Algorithms. Got good programming skills in Android and Asp.net (Web applications) environment.
- ENTREPRENEURSHIP: Entrepreneurship skills developed throughout my life. I am working on multiple startups which will be launched in the later part of this year.
- ORGANIZATION AND PLANNING SKILLS: Excellent organization and planning skills developed throughout my career but particularly in role as a lecturer for android classes in UET Peshawar. Ability to prioritize high level workload within strict deadlines
- COMMUNICATION SKILLS: Effective communicator in a variety of 1:1 contexts, excellent presentation skills, able to organize information, identify key points and explain concepts clearly to colleagues both verbally and in writing

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- LANGUAGES: Languages Fluent in English and Urdu in reading, writing, speaking and listening mode, but fluency in Speaking in Punjabi and Pashto

AFFILIATIONS

- LUMS
- UET Peshawar

HONOURS AND AWARDS

- Awarded NOP Scholarship to study full time MS computer science at LUMS (~ 1.6 Million PKR)
- Represented Peshawar at Seed star world startup competition in Karachi
- Worked as Android development instructor at UET Peshawar
- Won 1st prize in developing android application at UET Peshawar event
- Top 5 finalist for developing mobile application at Jumpstart Pakistan startup
- Top 10 Finalist for developing mobile application at 'Seed star world' event
- 2nd in Speed programming skills at UET Peshawar Event
- Top 5 finalist in developing business model for mobile application at Tie Islamabad, Peshawar chapter
- Worked with rescue 1122 to develop emergency rescue application to give first aid to people at minimum amount of time
- Represented Peshawar at Seed star world startup competition in Karachi

INTERESTS

- Data Analytics
- Software Development
- Designing
- Reading

EXTRA CURRICULAR

- Playing Cricket
- Playing Badminton
- Swimming
- Listening Music
- Reading Books