MUHAMMAD HARIS

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EDUCATION:

2010–2012	GIS Center, Punjab University College of Information Technology, University of the Punjab, Lahore. **MPhil (GIS and Remote Sensing**)
2007–2009	Punjab University College of Information Technology, University of the Punjab, Lahore. **M.Sc. GIS (Geographical Information System**)
2001–2005	Punjab University College of Information Technology, University of the Punjab, Lahore. **B.Sc (Hons.) Computer Science**.

PROFESSIONAL EXPERIENCE:

S. No	Job Title	Duraton
1.	Assistant Professor GIS Center, Punjab University	2015-2019
2.	Lecturer GIS Center, Punjab University	2010-2015
3.	Visiting Lecturer GIS Center, Punjab University	2009-2010
4.	Software Engineer Palmchip Private Limited (Software House)	2006-2008 GIS product development and R&D for a GIS based Telecom prodcut.

CONFERENCE PUBLICATION:

S. No	Title	Conference	Country
1	An Object Based Conceptual Framework for Location Based Social Networking	ACM SIGSPATIAL LBSN'13 Conference, November 5, 2013, at Orlando, FL, USA	USA
2	A Spatial Decision Support System for Waste Management in Municipal Society of Lahore City		Italy

JOURNAL PUBLICATION:

Research paper	Name of journal
Spatio-Temporal Network Constrained Trajectory Data Model and Service Reliability Assessment	IETE Journal of Research (**Impact Factor**: 0.9)

FORMAL TRAINING OR EDUCATION:

S.No.	Name & Place	Country	Type of training
1	"Water resource modeling and applications in Indus River Basin" *Zurich, Switzerland*	*Switzerland*	Workshop
2	"Foundation and Applications of Social Network Analysis and Mining".*Athens, Greece*	*Greece*	Summer School course
3	"Disaster Risk Management" at Punjab University New Campus Lahore.	Pakistan	Workshop
4	"Visualization in science and technology" at Virtual University Lahore by MIT , USA	Pakistan	Workshop
5	TOEFL	-	Test of English language
6	GRE General Test	-	International Analytical test

MAJOR INTERESTS:

- Web Programming (PHP)
- Desktop programming (Java)
- ArcSDE (Spatial Data Extension)
- ArcGIS Server
- Opensource GIS Products(Geoserver, PostGIS, pgRouting)
- Geodatabases
- Databases: MS SQL Server, Postgres(PostGIS)
- Spatial Decision Support System
- Social Networks
- Location based services

RESEARCH PROJECTS:

S.No.	Title	Type	Institute	Guidance
1	Open source Mobile Navigator System	M.Sc. GIS final project	GIS Center PUICT	Dr. Ather Ashraf , (Assistant Professor, PUCIT, University of the Punjab)
2	Design of a Conceptual Framework for Location Based Social Networking	MPhil Research Thesis	GIS Center PUCIT	Dr. Waqar-ul-Qounain (Assistant Professor, PUCIT, University of the Punjab)
3	GIS based dynamic Seat Allocation system for PUCIT Campus	M.Sc. Final year project	GIS Center PUCIT	Self-Supervised
4	Mobility pattern Analysis of PU buses	MPhil Research Thesis	GIS Center PUCIT	Self-Supervised
5	Spatial Decision Support System for Crime in Metropolitan areas	MPhil Research Thesis	GIS Center PUCIT	Self-Supervised
6	Collaborative Geo-Social Issues Mapper	Research Project Grant PU (2013)	GIS Center PUCIT	Self-Supervised
7	GIS based, Live Tracking System (for PU Buses)	Research Project Grant PU (2014)	GIS Center PUCIT	Self-Supervised in collaboration with industry Won the 2nd position award from all-Pakistan best commercial application competition.
8	Survey and analysis of WAPDA Town Waste Management	M.Sc. Final year project	GIS Center PUCIT	Self-Supervised

ACHIEVEMENTS:

- Served as deputy director at ORIC (Office of Research Innovation and Commercialization) in Punjab University.
- Developed a Android based tracking system, named TRACKY. Tested in UET buses and plans to implement in PU buses fleet for live tracking and mobility analysis.

MEMBERSHIPS:

- TIE (The Indus Entrepreneurs) professional membership:
  TiE is the World's Largest network of Entrepreneurs. With over 12000 members worldwide, TiE is the leading organization related to entrepreneurship.

- Dabistan-e-Iqbal Member:
  Dabistan-e-Iqbal is an organization for research and education of Allama Muhammad Iqbal's thought and philosophy.