

Muhammad Yahya

PERSONAL DETAILS

Name: Muhammad Yahya
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PROFILE

Geospatial Sciences is my motivation and educational as well as professional career. I'm determined to explore innovative horizons of knowledge and practical learning with full determination.

EDUCATION

- 2016 – Present **M.Sc. Photogrammetry and Geoinformatics**
Hochschule für Technik (HFT) Stuttgart, Germany
- 2008 – 2012 **B.Sc. (Hons) Geography**
Government College University (GCU) Lahore, Pakistan
- Gold Medal & Academic Role of Honor for the 1st position in B.Sc. (Hons.)

WORK EXPERIENCE

- 03/2017 – 06/2017 **Research Assistant**
Hochschule für Technik (HFT) Stuttgart, Germany
- 02/2015 – 03/2016 **GIS Analyst**
Punjab Municipal Development Fund Company (PMDFC), Lahore, Pakistan
- Land use mapping and analysis of municipal properties for Punjab TMAs
 - Online digitization and performing basics of geoprocessing in ArcGIS Desktop
 - Mosaic of satellite images using ERDAS Imagine
- 03/2013 – 12/2014 **Lecturer Geography**
Jinnah School of Sciences & Commerce College, Nokhar, Pakistan
- Teaching Geography at intermediate level
 - Member of student advisory committee
- 11/2012 – 02/2013 **GIS Analyst**
Water and Power Development Authority (WAPDA) House, Lahore, Pakistan
- Hands on experience of mapping and visualization in ArcGIS Desktop
 - Data processing in Microsoft Excel

ACADEMIC RESEARCH PROJECT

- **Sustainable Development Goal Indicators: Visualization D3js and Web Maps**, Research project, HFT Stuttgart. <http://gisstudio.hft-stuttgart.de/d3.html>
- **Digital Mapping of Lahore Metropolitan Area Using GIS & Remote Sensing Techniques**, BSc. (Hons.) Thesis research project, GCU Lahore.
- **Land Use Mapping and Development of Land Information System (LIS) for EME Housing Society DHA, Lahore**, Research project, Department of Geography, GCU Lahore.
- **GPS (Global Positioning System) Survey by Hand Held GPS Receiver of Iqbal Town in Lahore district, Punjab**, Research project, Department of Geography, GCU Lahore.

WORKSHOPS AND TRAINING

11/08/2017	Data Visualize Data with D3.js The Easy Way by Udemy
13/05/2017	Advanced Excel 2013 Advanced course by AStA, HFT Stuttgart
04/03/2017	Using Raster Data for Site Selection Online web course by ESRI
25/12/2016	The Python Bible Online web course by Udemy
28/11/2016	Learn SQL Using MySQL Database Online web course by Udemy
14/10/2015	Getting Started with GIS Online web course by ESRI
05/10/2015	Going Places with Spatial Analysis Online web course by ESRI
11/2017	Attended 56th Photogrammetric Week in Stuttgart, September 11-15
04/2012	Training Workshop on Digital Cartography <i>Hands-on training on ArcGIS and GPS Technology, organized by GCU, Lahore</i>
01/2012	Workshop on Disaster Risk Management <i>Workshop destined to work across Pakistan and abroad in disaster risk reduction</i>

IT SKILLS

- MS Office, ArcGIS Desktop, ERDAS Imagine, MatLab, SQL using MySQL database, PostgreSQL, jQuery, D3.js, Python, GeoServer, GeoNode, GeoNetwork OpenSource, Latex, Node.js, HTML5 & CSS3

LANGUAGE PROFICIENCY

- **IELTS:** 6.5 Overall band score (Listening 6.0, Reading 6.5, Writing 6.5 and Speaking 6.5).
- English has been medium of instructions & examinations since Secondary School Education.
- A2 level of Deutsch, Urdu is my national language and Punjabi is my mother tongue.

PUBLICATIONS

2017	Global Challenges and Data-Driven Science: An approach for raising awareness about Indicators for the Sustainable Development Goals CODATA 2017 Conference, 'Global Challenges and Data-Driven Science' 8-13 October 2017, Saint-Petersburg, Russia.
2012	Digital Cartography Scientific Ravi (Volume 21) A scientific research article published in an annual scientific publication of GCU, Lahore.

AWARDS AND RECOGNITION

2017-2018	Merit Scholarship awarded by Knödler-Decker-Stiftung during M.Sc. at HFT Stuttgart.
2017	Merit Scholarship awarded by German Academic Exchange Service DAAD
2012	Gold Medal & Academic Role of Honor for the first position in B.Sc. (Hons.) at GCU Lahore.
2007-2008	Merit scholarship during F.Sc. at GCU Lahore.

INTERESTS & EXTRA INFORMATION

06/05/2017	Participated in 19th AOK Stäffeles Walk and run up.
2017	Volunteered in student buddy service at HFT Stuttgart.
2005	Participated as a boy scout in the National Summer Scouts camp in Murree, Pakistan.
2008-2012	Member of Hiking and Mountaineering Club, GCU, Lahore.
Enjoy reading newspapers and books as they are a unique source of learning and a good companion.	