Muhammad Yahya

PERSONAL DETAILS

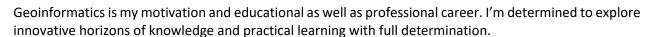|	
Name:	Muhammad Yahya
Date of birth:	01-01-1990
Adress:	Pfaffenwaldring-42-B Zimmer 205, 70569 Stuttgart, Germany
Mobile:	015213060623
E-mail:	62yamu1mpg@hft-stuttgart.de
GitHub profile:	https://github.com/m-yahya

PROFILE

Geoinformatics 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
- Decentralized Green Energy Certification on the top of a Web3 Based Energy Geo Browser (**https://github.com/olisystems/Energy-Certification**)
  Master thesis project (01-02-2018 – Expected date of finish 31-07-2018)

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**
10/2018 – 03/2018 *Hochschule für Technik (HFT) Stuttgart, Germany*
- Working with Open Source Applications (GeoNode, GeoServer, GeoNetwork)
- Participation in the creation of proceedings (FOSS4G 2016, 2017)
- Design and implementation of the basic lecture JavaScript and jQuery
- Web performance and load testing with JMeter and Selenium
- Creating a tutorial on Nodejs
- Document Formatting and Typesetting

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**
	Hands-on training on ArcGIS and GPS Technology, organized by GCU, Lahore
01/2012	**Workshop on Disaster Risk Management**
	Workshop destined to work across Pakistan and abroad in disaster risk reduction

IT SKILLS

- Ethereum Blockchain, Solidity, JavaScript, Leaflet, Plotly.js, D3.js, HTML5 & CSS3, SQL using MySQL database, PostgreSQL, jQuery, Python, ArcGIS Desktop, MS Office, Latex, MatLab, ERDAS Imagine, GeoServer, GeoNode, GeoNetwork

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.