Usman Khaliq

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EDUCATION

Ghulam Ishaq Khan Institute of Engineering Science and Technology
BSc Computer Engineering - **GPA: 3.35/4.00**   **2011 -2015**
• Rank: Top 10% of class
• **Dean's Honor Roll** for scoring Distinction in 3rd and 8th semesters

Independent Coursework   **2014-PRESENT**
35 online courses completed with verified certificates from Coursera, edX and +Acumen

• *Human Centered Design, Lean Data Approach to Measure Social Impact*
• *R Programming, Process Mining, Extrapolatory Data Analysis, Statistical Inference, Machine Learning*

RELEVANT WORK EXPERIENCE

iDT Labs
Freetown,Sierra Leone
Software Engineer and R&D Lead   **July 2015 - Present**
Worked with public and private sector clients in the Information, Communication and Technology for Development (ICT4D) space for creating customized software solutions

- Conducted a two month long proof of concept and pilot for an infectious disease surveillance dashboard developed by IBM Research Africa for USAID's *Fighting Ebola: a Grand Challenge for Development* award
- Co author and researcher for the World Bank's Open Data Readiness Assessment Report for Liberia
- Co researcher in a United Nations Capital Development Fund (UNCDF) and Bank of Sierra Leone led survey to study the financial lives of government employees and recommend digital financial services (DFS) for them
- Lead human centered designer for iCommit, a mobile-money based conditional cash savings scheme for subsistence farmers that aims at improving uptake of DFS in West Africa
- Technical and project management consultant for a nationwide enterprise resource planning (ERP) system for the Pay No Bribe Sierra Leone, a DfID funded project
- Software developer for an SMS Gateway that allowed service operators to provide text message alerts to customers

Code for Sierra Leone
Freetown,Sierra Leone
Country Manager   **July 2015 - Present**
Initiated a community of civic coders, designers and policy advocates working on improving delivery of public services in Sierra Leone

- Research lead for [MWash,](MWash) a water and sanitation point mapping platform that aimed to improve the delivery of water and sanitation services in Freetown, with support from The Engine Room's Matchbox Program
- Development research lead for MembaO, a data driven platform for tracking performance of Parliamentarians in Sierra Leone. Supported by the innovateAFRICA grant from the Omidyar Network and the Bill and Melinda Gates Foundation.
- Project Lead for the Sierra Leone OpenGov Fellowships .Liaised with the ministry departments in understanding their open data requirements, and formulating projects to digitize their data management processes

- Project Lead for the [StoryLab Academy](#), a Google News Lab initiative that imparted data journalism training to newsrooms and journalist schools, with the aim of training 6000 journalists across Africa by 2018

Infosys Ltd.
Bangalore, India
InStep Intern, Infosys Labs   **July 2014 -August 2014**
- Created a browser plugin from scratch within 4 weeks for optimising the speed and usability of responsive web applications

AIESEC in GIKI
Topi,Pakistan
Managing Director   **March 2014 -March 2015**
- Ran a global internship program with a team of 30, achieving a relative growth rate of 100% within a period of 12 months

PROJECTS

A 360 Degree Marketing Plan for a Low Cost Water Purification System
Unilever Business Plan Competition. Brand Winners, and project featured by Acumen   **Nov 2014**
Piloted a marketing plan based on the human-centered design methodology for PureIt, a water purification system for low income families in Pakistan

SKILLS

Programming Languages: Python, R,Java, JavaScript, SQL, C++
Data Visualization Softwares: Tableau, Carto DB, Google Fusion Tables,Arc GIS
Other Tech Skills: Functional knowledge in machine learning, process mining, UI/UX design
Other Skills: Human Centered Design,Open Data, Government Reform, Impact Evaluations,Project Management