

# IRAM BAQRI

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## KEY SKILLS

Spatial Data Visualization and Analytics	ArcGIS Pro, ArcMap, ArcScene	UI/UX Design
Geographic Information Systems (GIS)	Java, SQL, HTML5, CSS3	Sketch, InVision, Balsamiq
Data Management and Automation	Excel, PowerPoint, Word	Adobe InDesign, Illustrator, Photoshop

## EDUCATION

<b>University of Aberdeen</b> Master of Science in GIS Year of Graduation: 2023	<b>Carnegie Mellon University</b> Bachelor of Science in Information Systems User-Centered Information Design Year of Graduation: 2019	<b>Honors and Awards</b> Final Semester GPA: 3.75 Dean's List: Spring'18 and Senior Year Recipient of QF Scholarship 2018-19.
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## CERTIFICATIONS

Spatial Data Science: The New Frontier in Analytics | ESRI | 6 weeks Massive Open Online Courses (MOOCs)  
Project Management Industrial Training Program (PMITP) | Reach Academy | 4 weeks  
ArcGIS Pro Essential Training | LinkedIn

## GIS: SPATIAL DATA VISUALISATION AND ANALYTICS

**Stantec | GIS Specialist** Apr 2021 – Present

- Analyzed Rainwater Flooding Complaints, identifying areas that flooded within networked and non-networked catchments.
- Visualized stream networks and highlighted areas prone to flooding (bluespots) using ArcGIS's hydrological and spatial geoprocessing tools – providing key information to assist engineers with the development of appropriate and targeted flooding mitigation plans.
- Created schematics for the Treated Sewage Effluent (TSE) Network that highlighted the flow from the pump stations to the major TSE customers – equipping the business with a better and more informed understanding of the network by the client's staff.
- Updated the Foul Sewer and Surface Ground Water Network Schematics based on the live data from the client's Enterprise Asset Management System – highlighting the flow direction from the Pump Stations to the Sewage Treatment Stations and Outfalls.
- Used LiDAR data to create Digital Elevation Models (DEMs), and visualized critical assets like Pump Stations, Underpasses, and Tunnels in 3D via ArcGIS Pro, ArcScene and Cintoo.
- Carried out day-to-day spatial analysis using ArcGIS Pro to answer urgent queries by client stakeholders regarding drainage assets.
- Visualized and created a web app for drainage assets, networks and buildings in 3D using ArcGIS Pro.
- Highlighted data discrepancies that hindered 3D visualization to the client in order to improve data quality for accurate visualization.

**Total E&P | Geographic Information Systems (GIS) Trainee** Nov 2019 - Jul 2020

- Accelerated the process of updating dashboard data for the ArcMap shapefiles by creating workflows using the FME Desktop App.
- Managed the upgrade to the new ArcGIS Database version 10.3 and ensured the shapefiles mapped well with the new upgrade.
- Automated the manual process of converting big data sets to required database formats by using Excel's Macros and VBA feature.
- Updated ArcMap files with the latest Al-Khalij, Dolphin, and Qatar Gas Well data, and published it to the GIS intranet website.

**Supreme Committee for Delivery and Legacy | Geographic Information Systems (GIS) Developer Intern** Jun 2017 – Jul 2017

- Received certification from ESRI on the completion of the "Getting started with GIS" web course as a pre-requisite for the project.
- Designed a web app based on ESRI JS API using HTML, and JavaScript for FIFA 2022, to assist pedestrians with navigation.

## BUSINESS DEVELOPMENT AND ANALYTICS

**SchemaZone | Project Manager Trainee** Nov 2020 – Dec 2020

- Briefly outlined the business plan and project charter for Kidzie, an e-commerce platform for luxury kids' fashion.
- Highlighted tools and techniques to report progress to Taskubator stakeholders, a platform connecting freelancers and customers.
- Designed infographics highlighting internal and external business processes of Taskubator and contributed ideas for conflict resolution.

**Ogro, Qatar Science and Technology Park | Assistant Business Analyst** May 2019

- Performed pricing analysis for the online grocery startup by comparing competitors' price ranges of various product categories.
- Evaluated the design and content prepared for the advertisement campaign to promote the startup on social media.
- Assessed social media marketing strategies adopted by the local competitors for product promotion and user engagement.

## DESIGN AND DEVELOPMENT

**Qatar Financial Centre Regulatory Authority | IT Consultant Intern, Corporate Services** Jun 2019

- Designed the layout of the official intranet site and updated communications portal for press releases and company-related events.
- Built a set of customizations (Carousels, Forms, Floating Action Buttons, User Profile, etc.) using JavaScript, HTML5, and CSS3.
- User tested the automation of the EU-directed GDPR form.