

Irfan Abdullah

Senior GIS Specialist

📍 Riyadh, Saudi Arabia | 📞 +966 570533012 | ✉ IrfanAbdullah12340@gmail.com

Professional Summary

Senior GIS Specialist with 14+ years of experience in geospatial analysis, remote sensing, and GIS data management. Expertise in ArcGIS, QGIS, and Google Earth Engine, with strong proficiency in Python for automation and spatial analysis. Adept at remote sensing, GPS data integration, and interactive web-based GIS applications to support urban planning, environmental research, and infrastructure development. Experienced in managing large geospatial datasets, developing customized GIS solutions, and collaborating with multidisciplinary teams to deliver data-driven insights for decision-making.

Core Skills & Expertise

- GIS & Spatial Analysis (ArcGIS, QGIS, Google Earth Engine)
- Remote Sensing & Satellite Image Processing
- Python & SQL for GIS Automation
- Web GIS & Interactive Mapping Applications
- Geospatial Database Management & Data Visualization
- GPS Data Integration & Surveying
- Machine Learning for Geospatial Analytics
- 3D GIS, Digital Twins & Smart City Solutions

Professional Experience

Ministry of Transport and Logistic Services, Saudi Arabia

GIS Team Leader | March 2014 – Present

- Lead GIS projects supporting transport infrastructure development, optimizing spatial analysis and data visualization.
- Develop automated GIS workflows using Python and ArcPy, improving efficiency and accuracy in geospatial data processing.
- Manage large geospatial databases, ensuring data integrity and interoperability across platforms.
- Implement remote sensing techniques to analyze satellite imagery and enhance decision-making for urban and environmental projects.
- Collaborate with government agencies and stakeholders to develop geospatial solutions for policy planning.

Royal Commission, Yanbu Industrial City

Senior GIS Specialist | January 2013 – February 2014

- Designed and managed spatial databases for urban planning and environmental monitoring projects.
- Conducted QA/QC on GIS datasets to ensure accuracy and compliance with industry standards.
- Developed custom GIS applications and interactive maps to support decision-makers.
- Utilized remote sensing and aerial imagery to monitor land use and infrastructure development.

System Domain Establishment, Saudi Arabia

GIS Specialist | February 2010 – November 2012

- Collected, processed, and analyzed geographic data to create detailed thematic maps and reports.
- Developed and maintained GIS databases, ensuring data quality and consistency.
- Created custom Python scripts for geospatial analysis and automation.
- Provided technical support and GIS training to internal teams and stakeholders.

Education & Certifications

Diploma in Computer Programming | Punjab Board of Technical Education, Lahore (2007 – 2009)

GIS & Remote Sensing Training | Certified by [Ministry of transport logistics service]

Certificate of Appreciation for GIS Contributions | Awarded by System Domain Establishment (2012)

Technical Skills

- GIS Software: ArcGIS, QGIS, Google Earth Engine, AutoCAD , MicroStation
- Programming: Python (ArcPy, GeoPandas), SQL
- Remote Sensing Tools: ENVI, ERDAS Imagine, LiDAR
- Databases: PostgreSQL/PostGIS, Oracle Spatial
- Visualization: Power BI, Tableau, Web GIS (Leaflet, OpenLayers)

Languages

English: Professional Proficiency (A2 Level)

Arabic: Intermediate (B2 Level)

Urdu: (A1 Level)

شكر وتقدير

السيد / عرفان عبد الله بقش

يطيب للإدارة العامة للمسح والتقييم والتقدير أن تتقدم لكم بالشكر والتقدير على جهودكم المميز بفريق العمل المشارك لحصول الإدارة على شهادة الاعتماد لضبط الجودة (ISO 9001:2015) وذلك لشروع مسح وتقييم الطرق.

مع خالص التمنيات بدوام التقدم والتوفيق،،،

مدير عام الإدارة العامة للمسح والتقييم

م. وليد بن محمد البضغام





وزارة النقل
TRANSPORT MINISTRY

المملكة العربية السعودية

وزارة النقل

الإدارة العامة للصيانة

شكراً وتقديرى

حيث أن للنجاح أناس يقدرون معناه، وللإبداع أناس يحصدونه

تتقدم الإدارة العامة للصيانة بوزارة النقل بخالص الشكر والتقدير إلى

السيد / عى فان بن عبد الله،

تقديرًا لجهودكم مع جميع الزملاء في إنجاح مشروع مسح وتقييم الطرق وتشغيل المعدات الخاصة بذلك خلال دورة المشروع ٢٠١٤م - ٢٠١٧م، والتي كان لها الأثر في تحقيق الأهداف المنشودة للوزارة.

مع خالص التمنيات بدوام التقدم والتوفيق،،،،،

مدير الإدارة العامة للصيانة

م. هادى بن عبدالله الشهري

مدير إدارة المسح والتقييم

م. وليد بن مساعد الضرغام



Acknowledgment and Appreciation

The General Department for Road Survey and Assessment extends its heartfelt thanks and gratitude

to **Mr. Irfan Abdullah Bakhsh**

for his outstanding efforts and valuable contributions in achieving the Directorate's objectives and the success of the (Road Survey and Evaluation) project during the period 2021–2025 With best wishes for continued excellence and dedication.

The General Manager

of Road Survey and Assessment Department



Eng \ Waleed MUSAED Aldurgham

GEOGRAPHIC INFORMATION SYSTEM
RIYADH—SAUDI ARABIA

CERTIFICATE OF APPRECIATION

شهادة تقدير

This certificate is awarded to

هذا الشهادة للسيد

IRFAN ABDULLAH

In recognition of valuable contributions to

SYSTEMS DOMAIN EST.  مؤسسة محيط النظم للتجارة

IN RECOGNITION OF YOUR TIRELESS EFFORT AND CONSTANT SUPPORT AS
SENIOR GIS STAFF / QC IN 3D DEPARTMENT
AWARD THIS ON 22ND DAY OF SEPTEMBER YEAR 2012

ASST. MANAGER—SHAKIL ISMAIL

MANAGER—NASIR ALBLUSHI

HR OFFICER—MOHSIN SAJJAD



hereby recognizes that

Irfan Abdullah Bakhsh

has attended the course

Deploying and Maintaining a Multiuser Geodatabase (MMGD)

Two days of training

Completed on 05/09/2022

A handwritten signature in black ink, appearing to read "Jack Dangermond".

Jack Dangermond, Esri President

Esri Saudi Arabia Training Services





hereby recognizes that

Irfan Abdullah Bakhsh

has attended the course

Creating and Editing Data with ArcGIS Pro (EDAP)

Two days of training

Completed on 08/09/2022

A handwritten signature in blue ink, appearing to read "Jack Dangermond".

Jack Dangermond, Esri President

Esri Saudi Arabia Training Services





hereby recognizes that

Irfan Abdullah Bakhsh

has attended the course

Distributing Data Using Geodatabase Replication (GREP)

One day of training

Completed on 06/09/2022

A handwritten signature in blue ink, appearing to read "Jack Dangermond".

Jack Dangermond, Esri President

Esri Saudi Arabia Training Services



No 63258



Roll No 74691

Punjab board of Technical Education Lahore

SESSION 2007
(ANNUAL/SUPPLEMENTARY)



This is to certify that

Mr. Irfan
Son of Mr. Allah Diwaya Registered No Fng-S-37691
of Government polytechnic Institute Lahore has satisfactorily completed
the three year Program of Instruction in Computer Programmer
Technology in the month of JUNE, 2009, securing 1750/ 3400 marks
in Second Division.

In recognition thereof this

Diploma of Associate Engineer

is awarded at Lahore on the 8th day of the month of March, 2010

Secretary

Chairman

Attested