



# MOHAMMAD ZEESHAN AWAN

## IT, GIS, Admin & Management Lead

### CONTACT

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### EDUCATION

**MASTER OF COMPUTER SCIENCE (MCS)**  
University of Central Punjab  
Fall Summer 1999

**BACHELOR OF COMPUTER SCIENCE (BCS)**  
University of Central Punjab  
Spring 1998

**BACHELOR OF LAWS (L.L.B)**  
Punjab University.  
04/09/2018

### TRAININGS

- ARCGIS
- ISSD
- ISFC
- Inpho
- Agile
- Scrum
- Brain bench
- Microsoft Azure
- AWS
- Google Cloud
- Office 365

### PROFESSIONAL PROFILE

- An international Consultant with more than 22 years of experience mainly GIS based projects, specialises in managing global projects and attaining strategic goals.
- Have a solid academic background with a BSc, MSc, in Computer Science and L.L.B. in Law.
- Capable of managing multicultural teams and specialising in geographic data management and web- and desktop-oriented data science for IT.
- A track record of successfully completing challenging GIS based projects, including strategic planning and the compilation of digital data for a range of municipalities and organisations.
- Skilled in managing data conversion across many systems and proficient in GIS programmes like MicroStation, ESRI, and Random required.
- Strong data analysis skills that have been shown to be able to analyse and relate non-geographic attributes to geographic features.
- Vast experience in the GCC, especially with large- and small-scale digital mapping for the Kingdom Saudi Arabian.
- Made important contributions to the Riyadh Base Map project, making sure that updates were made on time and that data integrity was maintained.
- Used GIS knowledge to help the Saudi Commission for tourist and Antiquities (SCT) meet urgent needs and create the foundation for further tourist growth.
- Solid foundation in database design and production management, mixing technical expertise with a broad viewpoint.
- Effective communicator who encourages a diverse and team-based work environment and lifelong learning.
- Inspirational leader known for managing high-performance teams, delivering complex initiatives, and driving strategic outcomes.

### EXPERIENCE

#### LEGAL, CONSULTATION, DIGITAL AND SOCIAL MEDIA MARKETING AND AGNECY MANAGMENT

Consultation Services / Pakistan / September 2015 – Current

I have worked on a variety of projects, using GIS to assist in decision-making and resolve challenging issues in the courts and Punjab Revenue board. My work includes the conceptualization, design, and implementation of systems as well as particular applications in many industries especially Punjab Board of Revenue, Civil Court, Health and Local Government.

Key Projects and Responsibilities include:

- System Conceptualization, Design & Execution: Leveraged GIS for system conceptualization, design, and execution for multiple projects, ensuring robust system architecture and data integrity.
- Digital Demarcation for Revenue Department, Government of Punjab: Led a team to digitally demarcate the land records for the Revenue department, making it easy to access and interpret the data, thus facilitating efficient land management.
- Land Record Projection on Google Earth/Satellite Imagery: Digitized and projected existing land records onto Google Earth/satellite imagery to provide a comprehensive visual representation and easy understanding of the geographic location of the properties.
- Demarcation for the Community Graveyard Disputed Land and Al Hijra Boys School: Successfully managed the digital demarcation and projection of land records on Google Earth for disputed land areas, providing crucial data for dispute resolution.
- Real Estate Base Map Creation and Tracking Portal: Developed an interactive base map for real estate and implemented a real estate tracking portal, leading to improved real estate management.
- Tenant Management System: Developed a GIS-based tenant management system to maintain a clear record of tenants and properties, enhancing property management efficiency.
- GIS Application in Legal Consultation: Implemented GIS in providing legal services, helping in evidence presentation in the courts, mainly in property/real estate disputes.

## STANDARDS

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- Open GIS
- ISO TC/211
- ISO 9000
- ISO 19112:2019
- OGC
- ISO 19115: Metadata
- ISO 19131: Data Product Specifications
- ISO 19157: Data Quality

## SKILLS

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- Integrity and Reliability
- Leadership
- Relationship-Management
- Client Management
- Program and Project Management
- Goal Oriented, Time Management
- Coordination & Delegation
- Prioritization & Multi-Tasking
- Innovative & Problem-Solving
- Self-Motivated & Quick learner
- Conflict Management
- Analytical & Critical Thinking
- Agile, Flexible & Adaptable
- Technical and Business Documentation
- People Management
- Mentoring and Training
- Teamwork & Collaboration
- Presentation & Interpersonal
- Networking, Communication
- Public Speaking
- Coaching

## Membership

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- Bar Council & Association
- IEEE
- ESRI community
- MicroStation Community

## EXPERIENCE CONT.

Additionally, I've consulted with clients on various other services such as business formation and start up advisory, intellectual property consultation (patents, trademarks), and career & family counselling. Furthermore, my expertise extends to litigation support in civil, criminal, family, labour, tribunal, taxation, insurance, and property/real estate cases. I've also been part of the ongoing business branding project, particularly in aspects of social media marketing and search engine optimization.

### EXECUTIVE OFFICER & SYSTEMS ANALYST

NIMBLE Solutions United Project / (PAKISTAN & KSA)/ Feb 2006 - Oct 2014

As an Executive Officer and Systems Analyst, I have been involved in a multitude of GIS projects, products, and solutions. My work extensively covered system analysis, product development, project execution, and consultancy services in various sectors.

Key Projects and Responsibilities include:

- Saudi Telecom Survey and Design Execution: Utilized GIS tools for the surveying and design execution of the telecom network, enhancing the planning and management of telecom infrastructure.
- GIS for Utilities Management: Led a GIS project for utilities management, providing spatial insights for effective planning, maintenance, and operations of utilities, reducing costs and improving service delivery.
- Agriculture Resource Geographical Information System: Created an agricultural resource GIS, providing critical insights for precision agriculture, helping farmers and agronomists to make data-driven decisions.
- Business Directory and Information System: Developed a GIS-enhanced business directory and information system, providing location-based business information, facilitating improved marketing and customer engagement.
- Data Gathering and Location Tracking (DGLT): Managed a project that combined data gathering and location tracking to provide real-time, spatially relevant data, improving decision-making processes.
- Fleet Management System: Implemented a GIS-based fleet management system to monitor, manage, and optimize fleet operations, significantly enhancing logistics and transport management efficiency.
- Next Generation School Management System & Helpdesk Assistant for School/College: Developed and implemented a GIS component in a next-generation school management system, providing spatial insights for logistics, resources allocation, and emergency management.

I've also been involved in the development and consultancy of web and mobile applications, business branding & marketing, search engine optimization, and social media marketing. The diverseness of my work not only stands testament to my versatility in GIS applications but also my understanding of its implications in different business domains.

### CONSULTANT AND EXECUTIVE MANAGER

NIMBLE JWAN, Riyadh, KSA(2007-2011)

In this role, I was responsible for a wide variety of GIS management and technology activities.

- Led the development and management of a Real Estate Geographic Information System (GIS) and web portal, providing comprehensive spatial data for property analytics and real estate decision-making.
- Utilized GIS to conduct future forecast projections for the real estate sector, assisting stakeholders with strategic planning based on spatial analysis and trends.
- Conducted extensive signal camera and radar surveys, leveraging GIS techniques for optimal positioning and coverage design. This helped in streamlining operations and ensuring high-quality data acquisition.
- Spearheaded a variety of land survey projects, utilizing GIS tools to enhance accuracy and efficiency in land data collection, management, and presentation. Managed all aspects of these projects, including planning, execution, and stakeholder communication.
- Consulted on system design and implementation, incorporating GIS technologies to improve operational efficiency and data accuracy.
- Managed cross-functional teams, fostering collaboration, and ensuring alignment with project objectives and company goals.

This experience showcases an in-depth understanding of GIS technologies and their practical application in real estate and land surveying. The role demonstrates skills in project management, team leadership, strategic planning, and technical consultation—all of which are vital in a GIS consultancy and management position.

## IT/ Technical Skills

- GIS Project Coordination
- Agile GIS Methodologies
- Geospatial Data Automation
- Geodetic Survey Management
- Geospatial System Lifecycle
- GIS & Mapping Frameworks
- Photogrammetry Techniques
- GIS Data Security
- GIS Help Desk Expertise
- Cloud-based GIS Implementation
- GIS Software (Esri, QGIS)
- GIS Network Management
- GIS Server Administration
- Photogrammetric Data Control
- GIS Cloud Platforms (Azure, AWS)
- Geodetic Hardware Troubleshooting
- Geospatial Product Support (ArcGIS, QGIS)
- GIS Management workshops - Manchester University
- Microsoft Certified System Engineering - MICROSOFT (USA)
- Microsoft Certified Database Administrator - MICROSOFT (USA)

### Ongoing Education:

- Mini MBA: Practical Online Business Approach - TAI LOPEZ (USA)
- Digital and Social Media Marketing - Self Learning
- Mastering Data Science - Self Learning
- Aquaculture Development - Self Learning
- Sustainable Smart Living - Self Learning

## EXPERIENCE CONT.

### IT AND GIS CONSULTANT AND MANAGER

High Commission for the Development of Riyadh, KSA (2003-2009)

- Managed and implemented a GIS-based subdivision solution, enhancing land allocation processes, tracking, and planning.
- Applied GIS technologies to Strategic Planning, fostering data-driven decisions and policy development.
- Developed an Intranet Information System for Strategic Planning, providing an internal platform for collaboration and data sharing, fully integrated with GIS capabilities.
- Directed the creation of GeoInfo Browsers for various aspects of the Strategic Plan, including Future Land Use and Future Zone, ensuring informed, long-term planning with comprehensive spatial data.
- Led the projection of the Riyadh BasMap using GIS technologies, providing an accurate and accessible spatial representation of the city.
- Oversaw the design and implementation of the GeoInfo Browser for Riyadh's Structure Plan, integrating GIS to optimize urban planning and infrastructure development.
- Coordinated the development of a GeoInfo Browser for Riyadh Utilities, utilizing GIS to map and manage public utility networks for improved service delivery and maintenance.
- Supervised the creation of a GeoInfo Browser for Riyadh's Subdivision Plan, streamlining land subdivision processes and planning with GIS tools.
- Directed the development of a GeoInfo Browser for Riyadh's Environment, using GIS to monitor and manage environmental factors and conservation efforts in the city.

These roles required a sophisticated understanding of GIS technologies, IT management, and strategic planning. They involved project management, team leadership, and system design, demonstrating the capacity to leverage technology Trainings and support of urban planning and development.

### GIS SYSTEM ANALYST AND MANAGER

Standard for Technologies, Riyadh, KSA (2002-2003)

- Oversaw digital mapping and indexing operations, employing GIS tools to streamline data management and accessibility.
  - Collaborated with the Surveying and Mapping Department, Ministry Of Municipal and Rural Affairs (MOMRA), K. S. A, to leverage GIS technologies for enhanced survey accuracy and mapping precision.
  - Managed the implementation of a GIS for Tourism Sites for the Supreme Commission of Tourism (SCT), Riyadh, K.S.A., providing detailed geospatial data to support tourism development and promotion.
  - Directed a GIS projection for the Ar-Riyadh Base Map under the Ar-Riyadh Development Authority - (ADA), Riyadh, K.S.A., enhancing city planning and infrastructure development.
  - Supervised the creation and management of a Subdivision GIS for the Ar-Riyadh Development Authority - (ADA), Riyadh, K.S.A., streamlining land division processes.
- Conceptualization, Research, and Studies:
- Led and executed a range of GIS-centric projects, including transportation geo-information tracking, urban land regulation geo-information tracking, and real estate GIS for banks.
  - Developed and implemented an Online Property registration and geo-tracking system, alongside an archiving and retrieval management system.
  - Designed and launched a comprehensive garbage can tracking system using RFID and GIS technologies, as well as a vehicle and employee tracking system.
  - Managed the implementation of a Vehicle tracking information system and an Asset Tracking Information system.
  - Oversaw Office resource tracking and identification operations, utilizing GIS technologies for optimal asset management.
  - Coordinated Mobilyl OSP implementation and Design.

In the said role, have performed and demonstrated strong skills in GIS technology application, project management, strategic planning, and team leadership, and trainings on client side, which are essential for any position involving GIS consultation and management.

### VOLUNTEER & COMMUNITY RESEARCH (2006-PRESENT)

Led diverse community development projects ranging from sustainable living practices to virtual education systems. Specialized in genealogical tracking and female resource development. Adept at navigating fast-paced environments, managing complex HR issues, and cultivating effective professional relationships. Skilled in tackling challenging situations with tact and diplomacy.

### REFERENCES

Available upon request