

## **MUHAMMAD ADIL KHAN**

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Address :5 Star Homes, Unit C- 205 Plot, A- 40 Railway

Co-Operative Housing Society Scott Colony

Abul Hasan Isphani Road Gulshan -E- Iqbal Karachi

To,

EIA(Environmental impact assessment) companies, Surveyors companies ,urban planning companies, GIS consultancies, Natural Hazards and Disaster Management companies, Agricultural and food Security companies ,Hydrology and water resources companies , Engineering consultancies ,Information technology companies , Data Scientists firms ,Satellite images analyzing, processing and interpreting companies and all those companies which hire geographers , GIS and Remote Sensing experts for their companies.

I am pleased to submit my resume for the available position in your company. Given my background in environmental, health, and safety initiatives, I feel I am in a great position to make significant contributions to company. In each of my previous roles, I have delivered success on a range of academic objectives by applying a focused personal integrity and work ethic, as well as a passion for problem solving.

Please review these points from my professional background which summarize the experience and talents I can apply in this new role:

- Almost completion of 18 years of education by the end of December 2018.
- Excellent survey experienced throughout my academic education.
- A strong talent for developing strong working relationships with State, Federal, and local officials, as well as other environmental stakeholders
- Experience preparing various compliance plans, such as Phase 1 Environmental Assessments, Storm Water Pollution Prevention Plans, and Spill Prevention Control & Countermeasures (SPCC) Plans

My attached a resume that provides additional information on my background and qualifications. As you can see I have a wide breadth of experience that would make me a strong asset to your team. I would appreciate the opportunity to schedule a meeting with you to discuss this role and the value I could add to your company.

In the interim, thank you for reviewing this letter and the attached material.

Sincerely,

**MUHAMMAD ADIL KHAN**

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## EDUCATION

MS (Geographic Information Science And Remote Sensing) :(Will be Completed in December 2018)

M. Sc (Geography) : 2016

B.Sc Hons (Geography) : 2015

Intermediate (Pre- engineering) 2011

Matric (Science ) :2009

## AREAS OF EXPERTISE

Reporting skills	Conservation of Nature	Geomorphology
Undertaking research	Landscape Architect	Map and Air Photo Analysis
Surveys	Transportation Management	Locational Analysis
Academic Research	Environmental Management	Cultural Geography
Data collecting techniques	Emergency management	Digital Image Processing
Clinical trials	Demographer	Database Designing
Data validation	Natural Hazards and Disaster Management	Programming languages
GIS Analyst	Agriculture And Food Security	Map work and field Surveying
Remote Sensing Specialist	Hydrology and Water Resources	Settlement Planning
Urban and Rural Planning	Meteorology	
Cartographer	Climatology	
Environmental Consultant	Oceanography	

## AGHA KHAN UNIVERSITY HOSPITAL PEDIATRIC RESEARCH OFFICE EXPERIENCE

Worked as an assistant to the GIS Analyst (Data Analyst Department) at Agha Khan University Hospital Pediatric Research Office ( 22 August – 30 October 2017)

## TECHNOLOGICAL SKILLS

Drone	Word Processing Skills
DGPS	Spreadsheets Skills
GPS	Electronic presentation skills
Total Station	Web Navigation skills
Arc GIS (Software)	E-mail Management Skills
Erdas Imagine (Software)	Digital Cameras
Ms Office( Software)	Computer Network Knowledge Applicable to the Organization

## **SCIENTIFIC RESEARCH PROJECTS**

### **Environmental and Social Impact Assessment Study (ESIA)**

1. Project Director ,ESIA study of Korangi Thermal Power plant having capacity of 220 MW.
2. Project Director, ESIA study of Karachi University Plant diversity and Road Network.
3. Project Director, ESIA study of Karachi overhead bridges.(Bridges selected through sampling techniques)
4. Project Director, ESIA study of Karachi Parks.
5. Project Director, ESIA study of suitable sites for solar farm in Eastern Sindh.
6. Project Director, ESIA study of BABA and BHIT islands.
7. Project Director, ESIA study of Kemari coastline.
8. Project Director, ESIA study of 2010 Flood in Sindh District.
9. Project Director, ESIA study of Drought conditions of Shaheed Benazirabad from 1992 to 2011.
10. Project Director, ESIA study of Depletion of riverine Forest along river Indus.
11. Project Director, ESIA study of Heat wave in Karachi in 2015.
12. Project Director, ESIA study on catchments areas of Keenjhar, Haleji , Hadeiro lake.

### **Solid Waste Management**

13. Project Director, To find out suitable sites for dumping solid waste in karachi.

### **Agriculture and Food Security**

14. Project Director, Vegetation feature extraction through Geospatial Technique and change Detection using Multi-temporal Landsat Imagery: A Case Study of Taluka Thatta of Thatta District .
15. Project Director, Agricultural Efficiency of Sindh province using MODIS satellite data.
16. Project Director, Detection of vegetative area of North East Pakistan and area calculation through geospatial technique.
17. Project Director, Classification of Agricultural Landuse along Malir river using satellite imageries.
18. Project Director, Spatial Distribution of Agricultural fields in Karachi University.

### **Hydrology and Water Resources Management**

19. Project Director, Water feature extraction through Geospatial Technique and change Detection using Multitemporal Landsat Imagery: A Case Study of Taluka Thatta of Thatta District.
20. Project Director, Snow cover area change assessment in different years from 2000to 2017 using MODIS data of the Upper Indus Basin, Pakistan.
21. Project Director, Flood affected areas of sindh and the estimation of destruction of resources using geospatial technique.

22. Project Director, Classification of land use and land cover along Indus river.

23. Project Director, Water quality assessment through ground survey of BABA and BHIT island near Kemari town Karachi.

### **Metropolitan and Transportation**

24. Project Director, Road Network Assessment of Orangi town using geo-technologies.

25. Project Director, Urban Road Network Accessibility Evaluation Method Based On GIS Spatial Analysis

Techniques: A case study of Abul Hasan Isphani Road Karachi.

### **Natural Hazards and Disaster Management**

26. Project Director, Drought Assessment of Shaheed Benazirabad District using multitemporal LANDSAT imageries.

27. Project Director, Spatial distribution of earthquakes using NASA dataset.

28. Project Director, How and why Heat wave occurred in Karachi 2015.

### **Database Designing and Programming**

29. Designing a Database for the educational institution, Hospitals, Landuse,

30. Python language coding.

### **Suitable Site Selection using GIS Technologies**

31. Suitable Site selection for Hospitals, schools, houses, solar farm, graveyards, public parks, Thermal power plants, wind power plants using geoinformatics.

## **REFERENCES**

Dr. Jamil Hasan Kazmi

Meritorious professor Department of Geography

University of Karachi

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Dr. Imran Ahmed Khan

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