

# Sabbir Delowar

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**Right to work (UK):** Graduate visa till 1 February 2026  
Willing to relocate  
Available immediately  
Full clean UK driving license

## PROFESSIONAL SUMMARY

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Environmental data analyst with expertise in Earth observation and environmental monitoring. Proficient in Python, cloud computing, and GIS tools for analysing climate and environmental data. Experienced in both UK and international professional settings. Strong communicator with a track record of delivering insights that support evidence-based decision-making and policy development.

## TECHNICAL SKILLS

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<b>Programming</b>	: Python, R, SQL, JavaScript
<b>Remote Sensing &amp; GIS</b>	: Google Earth Engine, QGIS, ArcGIS
<b>Data Science</b>	: Machine Learning, Model Evaluation, Time Series Analysis
<b>Other</b>	: Jira, Confluence, Microsoft Office 365, Miro

## WORK EXPERIENCE

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### Earth Observation Scientist

[Map Impact](#), United Kingdom, September 2023 – Present

- Led analysis of time series environmental data and satellite imagery to identify key drivers of algal bloom dynamics in UK freshwater systems; findings were recognised with the [AGI](#) Award for Environment and Sustainability (2024) and presented the findings to the stakeholders through a workshop and also at [GEOBUSINESS](#) conference 2024.
- Refined habitat condition indicators and did the interpretation of landscape change across the UK for the development of [BiodiversityView](#) product.
- Shaped location-based climate risk insights on [heat](#), [wildfire](#), and [drought](#) hazards for the development of company's climate risk product, focusing on how these risks are visualised and used across infrastructure, policy, and finance sectors.
- Applied machine learning and geospatial techniques across multiple [Kaus Beacon Development](#) and [Red Sea Global](#) projects, including habitat classification and satellite imagery processing; improved the accuracy and consistency of terrestrial and marine habitat maps used in environmental assessments and technical reporting.

### Decarbonisation Consultant (Intern)

[Zeroqram](#), United Kingdom, April 2023 –August 2023

- Calculated and analysed Scope 1, 2, and 3 emissions for clients, comparing findings with their decarbonisation strategies to assess progress and highlight areas for intervention.
- Delivered data analysis and interpretation for client-facing decarbonisation reports, providing clear, evidence-based insights to inform strategic planning.
- Developed an Excel-based carbon tracking tool for Zeroqram and created LinkedIn marketing posts to communicate the company's own climate commitments and activities.

### Research Consultant - Remote Sensing

[CEGIS](#), Bangladesh, February 2021 – December 2021

- Created digital maps from remote sensing imagery using ArcGIS Desktop to support national-scale environmental and resource management projects.
- Conducted land use classification through digitisation and geospatial analysis, contributing to project outputs used by government and development partners.

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- Collaborated with technical teams to ensure accurate spatial data handling and visualisation, supporting timely delivery of maps and reports.

## KEY PROJECTS

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### Windermere Catchment Analysis

*Project Lead, Map Impact / Supported by UK Space Agency, September 2023 – February 2024*

- Analysed more than 1,500 Sentinel-2 scenes and 180 [PlanetScope](#) imagery using Google Earth Engine and Python to monitor algal bloom dynamics.
- Processed over 300 days of human movement data alongside a 5-year time series of climatic variables (including ERA5 data) to uncover drivers of algal bloom formation using statistical relationships.
- Findings informed nutrient management strategies and received wide public and media attention, including coverage by the [BBC](#).

### BiodiversityView – Habitat Condition Mapping

*Contributor, Map Impact, March 2024 – Present*

- Refined habitat condition indicators and interpreted landscape change across the UK using spatial analysis and visual interpretation.
- Enhanced spatial data layers for improved usability by refining habitat classifications, integrating additional contextual datasets, and improving visual consistency to support clearer interpretation by end users.
- Outputs supported a nationwide biodiversity monitoring tool used by public and private sector stakeholders.

### **Climate Risk Products – Location-Based Hazard Insights**

*Contributor, Map Impact, March 2024 – Present*

- Worked on the spatial component of Map Impact's climate risk product, focusing on [heat](#), [wildfire](#), and [drought](#) hazards.
- Improved the presentation of geospatial outputs and location-based insights to support decision-making across infrastructure, policy, and financial sectors.
- Helped align platform content with user needs through clear communication of environmental risk at asset and regional scales.

## EDUCATION

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### **Master of Science** in Environmental Management (*MSc with distinction*)

*Brunel University, United Kingdom, 2022 – 2023*

- Dissertation: A Satellite-based Approach to Investigating Eutrophication in Lakes Receiving Wastewater Treatment Effluent
- Skills: Remote sensing, Google Earth Engine, QGIS, R, Statistical analysis, Report writing, Data visualisation, Environmental assessment.
- Modules: Climate Change and Planetary Health, Strategic Sustainable Development, Environmental Management and Legislation, Research and Analytical Skills, and Environmental Pollution and Monitoring.

### **Bachelor of Science** (Honours) in Geological Sciences (*CGPA 3.10, equivalent to UK 2:1*)

*Jahangirnagar University, Bangladesh, 2013 – 2019*

- Modules: Geochemistry, Remote sensing and GIS, Engineering Geology and Geotechnics, Hydrogeology, Hydrology, Environmental Geology, Oceanography, Coastal and Marine Geology, and Geological Field Mapping.
- Skills: Remote sensing, Field data collection, Geospatial analysis, Environmental assessment, Report writing, Data interpretation, Team-based fieldwork, Soil and water analysis.

## CERTIFICATIONS

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**Python for Everybody** (*Univ. of Michigan*), **GIS & Spatial Analysis** (*Univ. of Toronto*), **Machine Learning for Seismic Interpretation** (*Geophysical Insights*).