

SUNBEAM RAHMAN

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OVERVIEW

With over 10 years of experience in spatial analysis, remote sensing, and geospatial project coordination. I have a Master's degree in GIS and am currently working as a researcher at the University of Calgary.

EXPERIENCE

Research Assistant

Department of Geography, University of Calgary

Feb 2025 – until today

I'm expanding my MGIS Capstone project paper on Arctic Amplification and Chinook wind dynamics in Alberta. I am using Python (ie. Xarray, Geopandas) and ArcGIS Pro. I am also working with radar altimetry data of Arctic sea ice.

Graduate Assistant (Research)

School of Public Policy, University of Calgary

Jun 2024 – Sep 2024

I worked with over 15,000 data points regarding agri-tech research of Canada and finding gaps.

GIS Specialist and consultant

Various iNGOs and Government agencies in Bangladesh

Jan 2012 – Aug 2023

I worked in GIS across forestry, agriculture, and climate sectors, where I focus on biophysical change monitoring, ArcGIS Enterprise-based data management, and field-to-cloud workflows. I provided more than 200 hours of GIS training.

EDUCATION

Master of Geographic Information Systems

Department of Geography, University of Calgary | Calgary, AB, Canada

Jun 2025

I studied advanced GIS, remote sensing, advanced spatial modelling and geostatistics. I obtained 3.7 out of 4.0.

Master of Science in Geography and Environment

Department of Geography and Environment, University of Dhaka | Bangladesh

Oct 2011

I studied human geography, GIS and remote sensing. I secured 1st class 5th position.

CERTIFICATION

Certified Associate In Project Management (CAPM®) by Project Management Institute, Jul 2025, ID# 4163967, [Credly URL](#)

LANGUAGE

French (DELF B1 certified) and English

SKILLS

Geospatial analysis and modelling (Esri ArcGIS desktop of enterprise suit), spatial programming (Python and Arcade), Remote sensing (multispectral, hyperspectral, Radar, point cloud and GEOBIA).