

Rohit Mukherjee

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ACADEMIC INTERESTS

Satellite Remote Sensing, Image Processing, Deep Learning, Feature Extraction

EDUCATION

The Ohio State University, Columbus, OH

PhD Student in Geography

2016 - Current

Advisor: Prof. Desheng Liu

Focus Area: Satellite Image Fusion

Birla Institute of Technology, Mesra, India

Master of Science in Geoinformatics

2011-2013

Advisor: Prof. Nilanchal Patel

Thesis: Extraction of Impervious Features through Artificial Neural Network using Spectral Indices

St. Xavier's College, Kolkata, India

Bachelor of Science in Computer Science

2008-2011

Advisor: Prof. Sonali Sen

Thesis: A Social Networking Website for Academics

PEER REVIEWED PUBLICATIONS

Patel, N., & Mukherjee, R. (2014). Extraction of impervious features from spectral indices using artificial neural network. *Arabian Journal of Geosciences*, 1-13.

PUBLIC PRESENTATIONS

Fusion of Sentinel-2 and MODIS Satellite Data based on the method Flexible Spatiotemporal Data Fusion (FSDAF) to form Times Series Data (2017), AAG, Boston

Changes in the Region of Tehri Garhwal (Uttarakhand, India) due to submerging of Dam Reservoir (2012), M.Sc. Field Report, Birla Institute of Technology, Mesra, India

PROFESSIONAL EXPERIENCE

The Ohio State University
Graduate Teaching Assistant 2016 - Current
GEOG 5200: Cartography (AU17)
GEOG 5210: Fundamentals of GIS (SU17) (Instructor)
GEOG 5210: Fundamentals of GIS (SP17)
GEOG 5212: Geospatial Databases (AU16)
GEOG 5225: Geographic Appl. of Remote Sensing (AU16)

Cognizant Technology Solutions
Programmer Analyst 2013 - 2015
Automated tasks using Visual Basic, developed Website using technologies and programming languages such as ASP. NET, HTML, CSS, JavaScript, C#, SQL, WCF, Entity Framework in MS Visual Studio 2012

TECHNICAL SKILLS

Programming Languages and Technologies – C#, ASP.NET, Visual Basic for Applications, HTML, CSS, JavaScript, SQL

Development Environments – Matlab, ArcGIS, ERDAS Imagine, ENVI, Visual Studio, SQL Server

AWARDS

Cognizant Technology Solutions
Individual and Team awards for reduction of operation cost through the development of Automation Tools 2014
Cognizant Internal Awards

Birla Institute of Technology, Mesra, India
First Place 2011 – 2013
MSc Geoinformatics

EXTRA-CURRICULAR ACTIVITIES

Class Representative, St. Xavier's College, Kolkata, India (2008-2009)
Head of Public Relations, St. Xavier's College, Kolkata, India, Inter-College Fest (2011)
Member, Science Association, St. Xavier's College, Kolkata, India (2009-11)
Volunteer (Community Service), National Service Scheme (2011)