

# Abhishek Maity

🌐 <https://abhishekmaity.github.io> | [in](#) maityabhishek | [S](#) abhishek-maity  
✉ amaity.cs@gmail.com | 📞 +91-xxxxxxxxxxx | [G+](#) +AbhishekMaity

## OBJECTIVE

Looking for opportunities in areas involving Software Development and Machine Learning (ML) applications

## EDUCATION

### WEST BENGAL UNIVERSITY OF TECHNOLOGY

B. TECH IN COMPUTER SCIENCE

Jun 2014 | Kolkata, IN

Guru Nanak Institute of Technology

CGPA: 7.36 / 10

### S. E. RLY. MIXED H. S. SCHOOL ISC | CLASS 12

Kharagpur, West Bengal, IN

AGGREGATE 69.33%

### ICSE | CLASS 10

Kharagpur, West Bengal, IN

AGGREGATE 87.13%

## SKILLS

### LANGUAGE

Java • HTML • Javascript • CSS

Git • nodeJS • Python • bash •  $\LaTeX$

### DATABASE

PostgreSQL • MS SQL (basic)

SQLite3 • mongoDB (basic)

### SOFTWARE

MS Office • MATLAB (basic)

GIMP • Inkscape • PolSARpro

### PLATFORMS

Linux • MS Windows • Spring Tools Suite

• MS Visual Studio

## COURSEWORK

### UNDERGRADUATE

Data Structures & Algorithms

Graph Theory & Discrete Mathematics

Computer Organization & Architecture

Database Management System

Automata Theory + Compilers

Computer Graphics

### INDEPENDENT

Machine Learning

Neural Networks and Learning

Fuzzy Logic & Inference Systems

Microwave Remote Sensing

Microservices

## SOCIETIES

IEEE Member • ISPRS Individual Member

## EXPERIENCE

### CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING

#### PROJECT ENGINEER

March 2022 – Present | Mumbai, IN

Software Engineering Group

- End-to-end development of ERP based on microservice architecture.
- Development of reporting microservice for single or role-based interface.

### IIT BOMBAY | JUNIOR RESEARCH FELLOW

February 2016 – March 2017 | Mumbai, IN

Microwave Remote Sensing Lab | Prof. (Dr.) Avik Bhattacharya

India-Trento Programme for Advanced Research (ITPAR) Phase III

- Investigating Optical & Radar Remote Sensing (RS) data for classification and Change Detection (CD) using Machine Learning (ML) techniques.
- Development of open-source toolbox HimSAR for snow & ice SAR applications.

### NATIONAL INFORMATICS CENTRE (NIC) | TRAINEE INTERN

Jun 2013 – Jul 2013 | Kolkata, IN

Project: Agri-Portal matir-katha | Shri. Amitava Bose

Directorate of Agricultural Marketing, Government of W.B.

- Development of web based cold storage data system for West Bengal, India.
- MVC model, C# using ASP.NET for programming along with Javascript used.

## PROJECTS

### HUMAN DETECTION USING MORPHOLOGICAL ANALYSIS & IMAGE PARSING

Description: Segmentation • Skin color sub-set logic | Tools: MATLAB

### INDIAN BANKS API WEB SERVICE

Description: GET request via different queries combinations

Tools: Python (Flask), SQLite, heroku

### MUSIC N POLYGON MEDIA BASED WEB APP

Description: With action of key create melodies & moving geometric shapes.

Tools: HTML, JavaScript, howlerjs, paperjs

## PUBLICATIONS

- A Maity, S Dasgupta, and D Paul. "A Novel Approach to Face Detection using Image Parsing and Morphological Analysis". IJCTT 23.4 (2015)
- A Muhuri, S De, S Manickam, S Dhingra, S Hariharan, A Maity, D Ratha, and A Bhattacharya. "Novel Scattering Power Decomposition Techniques for Full & Compact PolSAR Data." ID-278 ISRS (2016).
- S De, A Maity, V Goel, S Shitole, A Bhattacharya. "Predicting the popularity of instagram posts for a lifestyle magazine using deep learning." IEEE CSCITA (2017)

## WORKSHOPS

- SciPy India 16; FOSSEE; IIT Bombay • IW-RSIA 16; DST; IIT Bombay
- Hack-X-Ploit 13; Lucideus Tech; JU • NSSAMCS 13; AICTE; GNIT

## AWARDS

- Best Poster: 2016 ISRS-ISG Symposium • DST Fellowship: GATE (2015)