

# Rahul Ghosh

rahulghosh2021@gmail.com | 8420784442 | 2021rahul.github.io

## EDUCATION

### INDIAN INSTITUTE OF TECHNOLOGY, GUWAHATI

B.TECH IN ELECTRONICS & ELECTRICAL ENGINEERING  
CGPA: 7.8/10

May 2016 | Guwahati, India

### THE ARMY PUBLIC SCHOOL

#### HIGHER SECONDARY EXAMINATION

Percentage: 92.6%

Grad. May 2011 | Pune, India

#### SECONDARY SCHOOL CERTIFICATE

Percentage: 93.8%

Grad. May 2009 | Pune, India

## LINKS

Github:// [2021rahul](#)

LinkedIn:// [2021rahul](#)

Facebook:// [2021rahul](#)

Twitter:// [@2021rahul](#)

## COURSEWORK

### UNDERGRADUATE

Embedded Systems & Computer Architecture

Pattern Recognition & Machine Learning

Digital Image Processing

Computer Vision

Probability and Random Processes

Parallel Computing

Introduction to Computing (*theory & laboratory course*)

Digital Circuits and Microprocessors

(*theory & laboratory course*)

Algorithms and Data Structure

Mathematics (*Linear Algebra, Real Analysis,*

*Multivariable Calculus, Complex Analysis*)

Data Scientist Toolbox and R

Programming (*Coursera*)

## SKILLS

### PROGRAMMING

C • C++ • R • Python • Ruby on Rails •

Shell • 8051 & 8085 Assembly

### TOOLS/Frameworks

Theano • TensorFlow • OpenCV •

MATLAB •  $\LaTeX$  • Multisim • Arduino Uno

Programming

### OPERATING SYSTEMS

Linux (Ubuntu) • Mac OS • Windows

## EXPERIENCE

### SAMSUNG R&D | SOFTWARE ENGINEER

Samsung Research Institute - Delhi

July 2016 - Present | Noida, India

### IDRBT ESTD. BY RESERVE BANK OF INDIA | PROJECT TRAINEE

Institute of Development & Research in Banking Technology

May 2015 - July 2015 | Hyderabad, India

- Worked with **Dr. Vadlamani Ravi** and completed 2 projects.
- Co-authored 2 research papers based on the projects carried out during the internship period.
- Completed MATLAB software certification from the institute.

## PROJECTS

### GLAND SEGMENTATION & CLASSIFICATION USING DEEP LEARNING | BACHELOR THESIS PROJECT

AUG 2015 - APR 2016 | IIT Guwahati, India

Worked with **Prof Amit Sethi** to create a novel approach to segment H&E stained colon tissue images of the Warwick-QU dataset from the gland segmentation contest at MICCAI'15 by using Convolutional Neural Networks.

### PATTERN RECOGNITION & MACHINE LEARNING COURSE PROJECT

AUG 2014 - APR 2015 | IIT Guwahati, India

Designed and Implemented projects such as Handwritten Digit Recognition, E-mail Classifier and Face Recognition etc under the guidance of **Prof Suresh Sundaram**

### PCB FAULT DETECTION & CLASSIFICATION

MAR 2016 - APR 2016 | IIT Guwahati, India

Developed an automated system for PCB fault detection and classification under the guidance of **Prof M.K. Bhuyan**

### WALL CLIMBING ROBOT | DESIGN COURSE PROJECT

JAN 2015 - APR 2015 | IIT Guwahati, India

Worked with **Prof Prithwiji Guha** to develop a wall climbing robot with payload capable of climbing any rugged terrain.

## ACHIEVEMENTS & TEST SCORES

2016	327/340	Graduate Record Examinations(GRE)
2012	99.6 percentile	IIT-Joint Entrance Exam(IIT-JEE)
2012	99.87 percentile	All India Engineering Entrance Exam(AIEEE)
2012	All India Rank of 534	ISAT-2012
2011	All India Rank of 6	International Master Mathematics Olympiad

## PUBLICATIONS

- [1] R. Ghosh, K. Ravi, and V. Ravi. A novel deep learning architecture for sentiment classification. *3rd International Conference on Recent Advances in Information Technology (RAIT)/IEEE*, 2016.
- [2] V. Srikrishna, R. Ghosh, V. Ravi, and K. Deb. Elitist quantum-inspired differential evolution based wrapper for feature subset selection. *9th Multi-Disciplinary International Workshop on Artificial Intelligence(MIWI), Lecture Notes in Artificial Intelligence 9426*, pg. 113-124, 2015.