Rahul Ghosh

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

ACHIEVEMENTS & TEST SCORES

Year	Score	Exam
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(MIWAI), Lecture Notes in Artificial Intelligence 9426, pg. 113-124*, 2015.