

APARAJITA DUTTA

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Objective: Passionate and disciplined individual seeking to build on strong research skills to pursue extensive research in cutting-edge hypothesis. Ambition is to eventually have broad-based academic career including teaching, research and management responsibilities.

ACADEMIA AND WORK EXPERIENCE

Examination	Institute/Board	CGPA/Percentage	Year of passing
PhD(CSE)	IIT Guwahati	8.75	Ongoing
M.E. (CSE)	Jadavpur University	9.22	2014
B.Tech. (CSE)	NIT Silchar	8.43	2011
H.S.S.L.C.	A.H.S.E.C.	83.80	2007
H.S.L.C.	S.E.B.A.	85.00	2005

- ♦ Worked as Teaching Assistant in NIT Nagaland (NIT Silchar campus) from August 2011 to June 2012.
- ♦ Working as Software Engineer in R&D team in Odessa Technologies, Bangalore from June 2014 to July 2015.

AREAS OF INTEREST

- ♦ Bioinformatics, Machine Learning, Soft Computing, Speech Processing, Artificial Intelligence.

PROJECTS

Topic	Speaking calculator by speech recognition
Synopsis	Calculator that is able to do basic arithmetic calculations where inputs can be spoken as single digit numbers and basic arithmetic operators. This was accomplished using C programming in Microsoft Visual Studio platform. This term project was completed in 1 st Semester in IIT Guwahati as part of Speech Processing course.
Topic	Development of web application for providing leasing software solution for fleet and equipment leasing
Synopsis	An ASP.NET MVC application supported by c# at back end, jQuery, Html and CSS at front end, and Microsoft Visual Studio SQL Server for database system. Project at Odessa Technologies, Bangalore.
Topic	Inferring Gene Regulatory Network using recurrent neural network and evolutionary algorithm
Synopsis	The purpose was to detect the effect of a gene on the expression level of another gene in a given network by using recurrent neural network and therefore design the gene regulatory network. This Project was completed in M.E. Final Year, Jadavpur University.
Topic	Database System Design for Stores and Purchase
Synopsis	This module was for the Stores and Purchase Department. It was to be used to keep track of the status of purchases. It was implemented using MySQL as the back end for database, JSP for User Interface and functional implementation, and Glassfish as Application Server. This Project was completed in IIT Guwahati, May-July 2010.
Topic	Regenerator Location problem in Optical Network
Synopsis	In a network with an underlying topology and with a set of requests, the problem of minimizing the number of locations to place the regenerators was handled to make the system cost effective. The complexity of the problem was discussed and a set of heuristics for the regenerator location problem was proposed.

This Project was completed in B.Tech. Final Year, NIT Silchar.

Topic Study of the amount of delay induced by a computing system in a network while sending a file(considering different file sizes)

Synopsis A simple two node wireless scenario was simulated using Network Simulator (Open Source) in Linux using TCL script. Modifications were made in Network Simulator which was implemented in C++ to calculate the delay. A TCP connection was set up between the two nodes and the delay was calculated using the round trip time.

This Term Project was completed in 6th Semester in NIT Silchar.

IT SKILLS

Computer Language	C, C++, C#
Web Technologies	ASP.NET, jQuery, JavaScript, Html, CSS
Database system	MySQL
Operating System	Windows, Linux

STRENGTHS

- ◆ An analytical mind with the ability to think clearly and logically.
- ◆ Good spoken & written communication skills, problem solving and leadership skills.
- ◆ Hardworking and able to adapt to challenging situations.

ACHIEVEMENTS

- ◆ Qualified in GATE,2012 with 99.54 percentile and GATE Scholarship recipient.
- ◆ CCSP qualified in the Student Assessment Test organized by Cognizant in 2013.
- ◆ Recipient of Merit Recognition Certificate for securing position in top 15% among the candidates who participated in the 4th National IT Aptitude Test held by NIIT.
- ◆ Recipient of NEC Scholarship during B.Tech.
- ◆ Recipient of Anundoram Baruah Award in Xth board Examination, 2005.
- ◆ Awarded by the school for getting State highest marks (100/100) in both General Mathematics and Advanced Mathematics in 10th board Examination.
- ◆ Have been an active member of the Publicity Team of College Annual Cultural Festival, Incandescence, and organized several events in the same.
- ◆ Secured 4th position in "Aqua-robotics" in the Annual Technical Festival, Incandescence at NIT Silchar.
- ◆ President of the school in Class X.

PERSONAL DOSSIER

Date of Birth: 3rd June, 1989

Languages: English, Bengali, Hindi, Assamese

Hobbies: Traveling, Playing carom and badminton, embroidery works.

Address: Grade 3 staff quarter no. 8 , Silchar Medical College, Ghungoor, Silchar, Assam – 788014

DECLARATION

I hereby declare that all the above-mentioned facts and information are true to the best of my knowledge. I shall be solely responsible for any discrepancy found in them.

Place: Guwahati
Name: Aparajita Dutta

Dated: 28.06.2016