



Prerak Gupta

Roll No. – 11012328

B.Tech. in Mathematics and Computing

Department of Mathematics

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Degree	Institute	CGPA/%	Years
Bachelors of Technology	I.I.T. Guwahati	6.35/10	2011-2015
Class XII (I.S.C)	Seth M.R. Jaipuria School	91.75%	2010
Class X (I.C.S.E)	Seth M.R. Jaipuria School	95.20%	2008

EXPERIENCES

Summer Internship at Hiveminds Innovative Market Solutions Pvt. Ltd.

May-July 2014

Completed the following three modules of their marketing platform:-

- Automated Content Generator for any type of content keeping in mind the **Page Rank in SERP**.
- Keyword Extractor from bulk data using elements of **Natural Language Processing**.
- Optimal Contextual Linking of Web Content for SEO by modelling it as an Operations Research problem.

Admin Panel for iLogo India

May-July 2013

- Designed their currently in use Administrative Panel on CakePHP framework and jQuery.
- It has level-wise operations and features like instant data manipulation, dynamic search etc.

PROJECTS

DBMS Project: Placement Portal

Feb-April 2014

Guide: Prof. S.R. Singh, Department of Computer Science, IIT Guwahati

- Designed a Placement Portal using MySQL and fully normalized data-tables.

Basic Networking Applications

Jan-April 2014

Guide: Prof. T. Venkatesh, Department of Computer Science, IIT Guwahati

- Implemented a chat application using Transmission Control Protocol with peer-to-peer connections.
- Designed a basic FTP(File Transfer Protocol) client and server to implement functions like cd, ls, pwd, gets, puts, etc in C. Error checking mechanisms were implemented for proper synchronous communication.

Bachelor Thesis Project: Online Grader

August 2014-present

Guide: Prof. K.V. Srikant and Prof. G.K. Das Department of Mathematics, IIT Guwahati

- Provides an online platform for evaluating and grading students by multiple professors synchronously.
- Features like notifications to Profs, re-evaluation process, setting question papers, etc have been implemented.
- The system has an administrative, faculty and student profile based operational access and is very scalable.

TECHNICAL PROFICIENCY

- **Programming Languages:** C, C++, Java, PHP, HTML, R
- **Libraries/Frameworks:** CakePHP, jQuery, Bootstrap (basic)
- **Software/Tools:** Microsoft Office, MatLab, IntelliJ Idea(IDE) , MySQL

ACHIEVEMENTS

- Represented Lucknow at the **State Level Basket Ball** competition in 2006 and 2007.
- Secured **All India 198th and State 71st rank** at the **Nationwide Mathematics Olympiad** 2007.
- Placed first as a part of the **Choreography Club of IIT Guwahati** at Alcheringa 2012.

(References available on request)