Rahul R Huilgol

2nd Year, Bachelor of Technology
Department of Computer Science and Engineering
IIT Guwahati, India

☎ (+91) 8011-253-353
✉ h.rahul@iitg.ernet.in
rahulrhuilgol@gmail.com

EDUCATION

UNIVERSITY	**Indian Institute of Technology Guwahati**	Guwahati, India
DEGREE	Bachelor of Technology in **Computer Science and Engineering**	
CPI	**8.39** (after 3 semesters) on a scale of 10	
SPI	Most Recent – **8.60**	
PERIOD	2011 — Present	

BOARD	**Board of Intermediate Education, Andhra Pradesh**	
INSTITUTE	Sri Chaitanya Junior Kalasala	Hyderabad, India
PERCENTAGE	**96.1%**	
PERIOD	2009 — 2011	

BOARD	**Central Board of Secondary Education**	
INSTITUTE	Sanghamitra School	Hyderabad, India
PERCENTAGE	**94.4%**	
PERIOD	– 2009	

PROJECTS

Link to Projects on my Website

TITLE	**A Human v/s Computer Game**
NATURE	Curriculum Based Project
GUIDE	Dr.Saswata Shannigrahi
	Assistant Professor, Dept. of Computer Science and Engineering, IIT Guwahati
DETAILS	Developed a fully functional Java implementation of the ancient board game Kalaha. This gave me insights into the basics of Artificial Intelligence and Game Theory (Specifically, Minimax and Alpha-Beta pruning).

TITLE	**A Virtual Bread Board Simulator**
NATURE	Curriculum Based Project
GUIDES	Dr.Santosh Biswas & Dr.Arijit Sur
	Assistant Professors, Dept. of Computer Science and Engineering, IIT Guwahati
DETAILS	Developed a Breadboard Simulator in Java. The **features** of the software include:

- Graphical User Interface with Drag and Drop and Automatic Positioning
- Error Warnings and Resolution
- Customizing Components
- Converting the circuit into a Simple Matrix Representation for further processing

TITLE	**Automatic Code Judging Software**
GUIDE	Dr.Deepanjan Kesh
	Assistant Professor, Dept. of Computer Science and Engineering, IIT Guwahati
STATUS	Ongoing
	Working on an automatic code judging software with the support to simultaneously judge multiple codes. The application compiles and runs codes with various test-cases, while keeping a check on memory and time constraints and looking out for malicious codes. It works on a server-socket mechanism.

TITLE	**SMS Spam Filter**
STATUS	Ongoing
	Working on a spam filter for SMS based on the classic Machine Learning algorithm of Bayesian Classifier

Other Projects

More details on Link to Projects on my Website

Web Development	Integral part of the team behind the development of the website of IES Link
Android Development	Built an android app to help user track how much time he spends on each activity
Miscellaneous	Built a Virtual Diary Software with entries encryption in VB.NET
	Contacts Management System with Import,Export,Reminders and Sync in VC++

Technical Skills

Programming Languages	C, C++, Java, Visual Basic .NET, UNIX Shell Scripting
	Basic: Python, Assembly Language Programming(gas)
Web Development	PHP, MySQL, HTML, CSS, Javascript
Operating Systems	Linux(Ubuntu), Microsoft Windows
Tools	Microsoft Office, LaTeX, Eclipse (for Java), Visual Studio
Frameworks	Twitter Bootstrap

Interests

Algorithms & Data Structures	Artificial Intelligence	Networks and Security
Machine Learning	Data Mining	Software Development

Relevant Coursework

Data Structures	Digital Design	Discrete Mathematics
Computer Organization and Architecture	*Algorithms*	System Software Lab
Formal Languages and Automata Theory	*Systems Programming Lab*	*Hardware Lab*
Software Engineering		

Learning from Data (Introduction to Machine Learning) from Caltech Univeristy

Courses in italics are to be completed by May '13

Major Academic Achievements

- Secured an All India Rank of **1132** (in the top **0.2%**) out of 4,90,000 participants in **IIT-JEE** 2011

- Secured an All India Rank of **2432** (in the top **0.2%**) out of 10,60,000 participants in **AIEEE** 2011

- Stood **73** in Karnataka State Common Entrance Examination 2011, Engineering Stream and **310** in Andhra Pradesh Engineering and Medical Common Entrance Examination (EAMCET 2011), Engineering Stream

- Received **3 National Merit Certificates** in **Science, Maths & English** from the **CBSE** for being in the top 0.1% performers in CBSE 2009 Exams

Extra Curricular Activities and Positions of Responsibility

- Presently the **Literary Secretary** of Dihing Hostel, IIT Guwahati

- Was the **Head Boy** of Sanghamitra School during the academic year 2008 – 2009

- An Event Organizer of IITG Entrepreneurial Summit 2013 & Active member of the Entrepreneurial Development Cell, IIT Guwahati

- Enthusiastic member of the Coding Club and Google Developers Group, IIT Guwahati

- Active member of the Literary Society and Publication Sub Committee, IIT Guwahati

- Regularly participated in various inter-school quizzing and literary competitions