

HARSHITH PADIGELA

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EDUCATION

B.TECH	Computer Science and Engineering , Indian Institute of Technology , Guwahati CPI: 8.24 (After 4 th semester measured on a scale of 10)
CLASS XII	2009-11, Narayana Junior College , Hyderabad PERCENTAGE: 96.2
HIGH SCHOOL	2009, Matrusri E and L School , Hyderabad
CLASS X	PERCENTAGE: 91.5

PROJECTS UNDERTAKEN

<i>Pattern Analysis in Network Data</i> ONGOING	<i>Guide:</i> Dr. Vijaya Saradhi, Assistant Professor, IIT-Guwahati Working towards establishing patterns in two different representations of network traffic data using Canonical Correlation Analysis.
<i>Kalaha- Board Game</i> AUTUMN 2012	<i>Guide:</i> Dr. Saswata Shannigrahi, Assistant Professor, IIT-Guwahati Developed a human v/s computer game of substantial intelligence. The game was made by suitably implementing algorithms like alpha beta pruning and mini-max in Java.
<i>Virtual Bread Board Simulator</i> AUTUMN 2012	<i>Guide:</i> Dr. Santosh Biswas, Assistant Professor, IIT-Guwahati Developed a bread board simulator in java, with the features like GUI for the bread board and its components, drag and drop feature for setting up the circuit, detection and handling of errors, circuit optimization and generating a matrix representation of predefined convention into to text file, which can be fed to a server for processing the output
<i>Assembler Linker and Loader</i> MARCH 2013	<i>Guide:</i> Dr. Santosh Biswas, Assistant Professor, IIT-Guwahati Developed an 8085 assembler, linker and loader in Python. It supports various new instructions (apart from those in 8085 instruction set) and macros. It also detects various kinds of errors in syntax.
<i>Intranet Entertainment Portal</i> MARCH 2013	<i>Guide:</i> Dr. P.K.Das, Associate Professor, IIT-Guwahati This is a website-portal that can be hosted on the IITG intranet and encompasses all the Academic and Entertainment material at one place. It includes music and video straming portals, an app store and basic version of a coding portal.

Contact Management System
FEB 2013

Guide: Dr. P.K.Das, Associate Professor, IIT-Guwahati
This is an easy to use software, which allows users to manage their contacts offline on a computer. The software would allow a user to login/authenticate himself and suitably add/edit/delete his contacts along with options to set reminders, import and export contacts in a standard format.

TECHNICAL PROFICIENCY

Programming Languages: C, C++, JAVA, PYTHON, VISUAL BASIC
Tools and Softwares: MS OFFICE, ECLIPSE IDE, VISUAL STUDIO, LATEX
Web Designing: HTML, PHP, CSS, JAVA SCRIPT (BASICS), MYSQL
Operating Systems: LINUX, WINDOWS

RESEARCH INTERESTS

- Machine Learning
- Natural Language Processing
- Web Intelligence
- Information Retrieval

COURSES

Theoretical: Data Structures, Algorithms, *Theory of Computation, Probability, Computer Organization and Architecture, Operating Systems, Compilers, Optimization, Data Communication, Networks,*

Labs: *Peripherals, Databases, Compilers, Networks, Operating Systems, Software Engineering, Systems Programming, Data Structures, Hardware*
Courses in italics will be completed by April 2014

ACADEMIC ACHIEVEMENTS AND EXPERIENCE

- Was among the top five teams from IIT-Guwahati to be selected for the ACM ICPC Amritapuri onsite regionals-2012.
- Secured an All India Rank of 1547 in **IIT-JEE** 2011 (amongst the top 0.3%)
- Secured an All India Rank of 1773 in **AIEEE** 2011 (amongst 11 Lakh students)
- Developed the websites for the Guwahati Half marthon and Escalade and worked on various small-scale android applications.

POSITIONS OF RESPONSIBILITY AND EXTRA-CURRICULAR ACTIVITIES

- Chief Organiser of the '**Guwahati Half Marathon**' 2013 and the social Campaign initiative Sociothon
- City representative of Technothon 2012, the International School Championship conducted by the students of IIT-Guwahati
- Core team member of **Techniche** 2013, the annual techno-management festival of IIT-Guwahati.
- Organised various social initiatives like Muskaan, Social 360, Health and Awareness Camp and Platform 101 as part of Sociothon.
- Made a manual robot for the event 'Dredge and Drop' in Techniche 2011.
- Member of the team from Umiam Hostel which won the 'shadow play' event in Manthan 2011 (the inter hostel cult fest)