Surya Teja G

UG (3rd year), Computer Science and Engineering
Indian Institute of Technology Kharagpur

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Education

Indian Institute of Technology Kharagpur
Bachelor of Technology
Undergraduate 3rd year
Current CGPA (Semester 5) : **8.81/10.00**

Kharagpur, India
2012 - 2016 (expected)

Relevant Courses Taken

Programming and Data Structures	Algorithms-I	Discrete Mathematics
Introduction to Electronics	Signals and Systems	Switching Circuits and Logic Design
Formal Languages and Automata Theory	Software Engineering	Probability and Statistics
Computer Organization and Architecture$^{\#}$	Compilers$^{\#}$	Algorithms-II$^{\#}$
Computer Organization Laboratory$^{\#}$	Compilers Laboratory$^{\#}$	Matrix Algebra$^{\#}$
Digital Speech Processing$^{\#}$		

$^{\#}$To be completed before Dec 2014

Projects

Full Stack Development of Recruitment Portal
Internship at Adwitech Info Systems Private Limited, Hyderabad   May2014-July 2014
Guides: Vidya Sagar, Naresh Gurukula

- Social networking web app developed in MEAN Stack, a fullstack javascript based framework.
- Implemented a generic chat server which uses Node.js and Socket.io for backend and Angular.js for frontend.
- Regular online chat with additional provision to add people dynamically to a conversation and to chat on a particular topic.
- Internal email service which uses the same chat server.

Library Information System Software
Guides: Dr. Partha Pratim Das, Dr. Rajib Mall, IIT Kharagpur.

- The project involved designing and developing a software, along with its GUI, for automating all operations of a library like issue and return books, reserve books, advanced search for books, add/delete books, print reminder, compute fine, dispose old books, view statistics etc.
- Applet version of this application is also developed, which can be integrated with website.

Web Design and Development

- Designed website for Sponsored Research and Industrial Consultancy, IIT Kharagpur, along with 2 other members as a part of Technology Transfer Group.
  Link (IIT Kharagpur local network): `http://ttg-sric.iitkgp.ernet.in/SRIC_main/`
- Designed and developed Patent Portal along with 2 other members as a part of an event Patent Drive of Te chnology Transfer Group.
  Link (IIT Kharagpur local network) : `http://ttg-sric.iitkgp.ernet.in/Patent_portal_v2/`
- Designed a product launch page for Web Design Contest, Bitwise, Department of Computer Science and Engineering.
  Link : `http://cse.iitkgp.ac.in/~gsteja/bitwise_web/`

Automated Mosaicing of Torn Paper Documents

- Implemented an algorithm which takes torn pieces of document as input and gives original document as output.
- Developed a Java Swing based Graphical User Interface to give inputs and display output.

Programming Skills

Advanced	C, C++, JavaScript, HTML, CSS
Intermediate	Python, Java, BASH, MongoDB, Node.js, Angular.js
Basic	LaTeX, MySQL, PHP, Octave
Version Control	Git

Scholastic Achievements

Web Design contest, Bitwise, Department of Computer Science and Engineering 2012
Secured **First** position in web design contest conducted by Bitwise, IIT Kharagpur.

IIT Joint Entrance Examination (IITJEE) 2012
All India Rank-**234** in **OBC** category among half a million candidates.

Student of the Year 2010
Awarded best student by Times NIE, a student newspaper under Times Of India.

Best Outgoing Student 2010
Awarded best outgoing student by St.Martin's High School, Malkajgiri, Hyderabad, Andhra Pradesh.

Extra Academic Activities

- Part of representing Lal Bahadur Shastri Hall of Residence in Hockey.
- Part of team representing St. Martin's High School, in district level Cricket and Badminton.
- Part of team representing Lal Bahadur Shastri Hall of Residence in OpenSoft, an interhall software development event.
- Head editor of Times NIE newspaper for St. Martin's High S