

PANDIAN RAJU

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EDUCATION

- College of Engineering, Guindy** *April 2014*
B.E in Computer Science and Engineering
Cumulative Grade Point Average(CGPA) - 9.47 / 10.0
- SVHV Higher Secondary School, Thoothukudi** *March 2010*
Topper of the Tamil Nadu State for the academic year 2009-10
Percentage - 98.92 %

WORK EXPERIENCE

- Flipkart.com** July 2014 - Present
Software Development Engineer *Bangalore, India*
- Working as a part of Data platform, which takes the sole responsibility of organizing and maintaining all of data within the company and helps in making data analysis easier.
 - Have been using many major big-data related projects like hadoop, kafka, cassandra etc as part of developing applications within the team.
- Amazon.com** June 2013 - August 2013
Software Development Engineer – Intern *Bangalore, India*
- Designed and developed a bandwidth allocator to reduce the waiting time experienced by teams using our internal service. The allocator heuristic includes daily expected usage per team and other metrics.
 - The waiting time reduced 30% after the launch thereby significantly increasing productivity. The project was done in Java and AWS concepts like Amazon SQS, dynamoDB etc were used.

ONLINE PROFILES

- Linkedin** <http://linkedin.com/in/pandianraju>
Topcoder <http://topcoder.com/tc?module=MemberProfile&cr=23039015>
Spoj <http://spoj.com/users/codingcapo/>
Github <http://github.com/pandian4github>

ACADEMIC PROJECTS

- Code-N-Fun : Teaching programming through game** Dec 2013 - April 2014
Advisor - Professor T V Geetha *College of Engineering, Guindy*
- Designed and developed a game which helps in teaching data structures, algorithms and other basic programming concepts to students and was implemented using C++.
- Online Job Portal** Jan 2013 - April 2013
Implemented Using C, lex, yacc, PHP and MySQL *College of Engineering, Guindy*
- A web application which facilitates employers to upload their requirements, candidates to upload their resumes so that they can be matched and ranked accordingly.
- Personal Information Manager** Jan 2013 - April 2013
Implemented Using HTML, CSS, PHP, MySQL *College of Engineering, Guindy*
- A web application which acts as an online store for the personal information such as contacts, calendar, personal diary etc.

Mini Search Tool

Implemented Using C++

June 2011 - Oct 2011

College of Engineering, Guindy

- An application which optimally searches for the given words in all the files in the current directory and displays the match.

AWARDS AND ACHIEVEMENTS

- Solved more than 125 problems in SPOJ with a current world rank of around 2500.
- Participated in more than 40 SRMs in topcoder with a rating of 1189(blue).
- Qualified for ACM ICPC 2013 regionals.
- Secured first prize in coding competitions conducted in Samhita'12(IT dept, MIT), Mathrix'12(Maths dept, CEG), Itrix'13(IT dept, CEG), aBaCUS'13(CSE dept, CEG).
- State topper of Tamil Nadu in +2 board exam(out of around 6,50,000 students). Received scholarships from Kayal educational trust, Rotary club of tuticorin and several others including from Chief Minister of Tamil Nadu.

TECHNICAL STRENGTHS

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|--------------------------------|--|
| Programming Languages | C, C++, Java, HTML, CSS, PHP, Javascript, SQL |
| Programming concepts | Algorithms, Data structures, OOPS, Standard Template Library |
| Other software concepts | Basics of Hadoop, Cassandra, Kafka, zookeeper |
| Databases | MySQL, Oracle |
| Tools | Microsoft Visual Studio, Dev C++, Eclipse |
| Operating systems | GNU/Linux (Debian), Microsoft Windows (98, XP, Vista, 7) |

ADDITIONAL INFORMATION

Responsibilities Undertaken

- - Student Director, tech team of Kurukshetra '14, an international techno-mangement symposium of CEG
 - Joint Secretary of Computer Society of Anna University during the year 2013-2014
 - Treasurer of ACM chapter of CEG during the year 2012-2013
 - Organized Open warriors, a networking event, debugging and online programming contest at Abacus, a national level technical symposium of CS Department of CEG
 - Organized SOFTALK, the online programming event of TECHSHOW conducted by CSAU

Areas of Interest

- - Data structures and algorithms
 - Problem solving
 - Web development

Hobbies and Interests

- - Competitive Programming
 - Application Development
 - Playing basketball, Solving Sudoku and Rubik's cube