

Saumye Srivastava

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INTERESTS

Parallel Computing, Systems Programming, Computer Architecture.

WORK EXPERIENCE

– Research Intern

India Institute of Technology, Kharagpur

June, 2014

Developed an algorithm to identify, segment and classify clustered cancer nuclei from microscopic images by using Image Processing in Matlab.

CERTIFICATES:

Additional Courses:

- ‘Design and Analysis of Algorithms’ course by Tim Roughgarden, Stanford University via Coursera.
- Microsoft Technical Associate certification in Web Development in C#/.net framework.
- ‘Heterogeneous Parallel Programming using CUDA’ course by Dr. Hwu, University of Illinois and Coursera.
- ‘Big Data analytics on Hadoop’ workshop as part of PING 2014 organised by Microsoft and Infosys India.

Achievements:

- Represented Karnataka in Aspirations2020 National coding finals at Infosys, Bangalore.
- Asia-Kharagpur regional finalist of an international level competitive coding challenge called the ACM-ICPC.
- Winner of various college level events and also ‘Geek Cipher’ event held at Anna University, Chennai.

EDUCATION:

- **BE in Computer Science** from **Manipal Institute of Technology** with a CGPA 7.1 till 6th semester.
- **87% in All India Senior School Certificate Examination – 2011**, graduated from Delhi Public School, Bangalore.
- **92% in All India Secondary School Examination - 2009**, graduated from Air Force Bal Bharti School, New Delhi.

TECHNICAL EXPERTISE:

Softwares: Visual Studios, Eclipse, Adobe Photoshop, Matlab, VHDL on Postgre-SQL, Code Blocks, Wavepad

Languages: C(Advanced), C++(Intermediate), Java(Intermediate), HTML, CSS, Python(Basic)

PROJECTS:

Quest

June, 2013

An Android search app that compiles multimedia results in real time for a better search experience. It parses JSON data form Wikipedia/DBPedia API and XML stream from Google Images to present a visual result with a summary.

Breakout

December, 2012

A ping-pong style game developed in Java on an open-source engine called 3Coffee, developed by a senior. Also took a workshop on Java game development as a part of college technical fest.

AIESEC–Manipal

December, 2011

Worked as team leader in Team–Showcasing impact which involved visiting NGO's to organize events with incoming interns from different countries, working on posters, event–website, blog, Intern reception booklet, brochures, etc.

Technical Event Head, Game Development

October, 2013

Organizer of gaming event in the fest conducting gaming tournament for in station and outstation participants. Conducted a workshop teaching 2D game development in Java and an event in the college fest.

HOBBIES:

Programming, Drumming, Reading, Football, Audiophilia, Computer gaming