Suryabhan Singh Hada

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Objective

I am looking for a graduate Ph.D. position in a group with congruent research interests wherein by exercising my skills, experience and knowledge of the subject I can contribute to sound and quality research in the relevant area.

ACADEMIC QUALIFICATION

YEAR	DEGREE / PROGRAM	INSTITUTION	GPA
2009 – 2014	Integrated Masters of Technology in Mathematics and Computing	Indian Institute of Technology(BHU) Varanasi, India	7.85/10

Research Experience

- Worked on Fractal Image Compression as master's thesis under the guidance of Dr. Santwana Mukhopadhyay, department of Mathematical Sciences, Indian Institute of Technology (BHU), Varanasi.
- Studied and analyzed number of encoding algorithms for Fractal Image Compression.
- Proposed a new algorithm which results in significant drop in encoding time with comparatively very low drop in the quality of decoded image.
- Also published a paper regarding the same.

Publication

Name	Author	Publisher	Date
A fast encoding method for Fractal image Compression	Suryabhan Singh Hada	International Journal of Computer Applications, New York	20 August, 2014

Work experience

Software Developer	Cvent India Office	July,2014- present

- Cvent is a publicly held software-as-a-service (SaaS) company that specializes in meetings management technology. The company offers web-based software for meeting site selection, online event registration, event management, email marketing, and web surveys.
- Created a new platform for event management and customized data Integration to third parties which uses Microsoft .net as web tier for UI, Drop Wizard for scalable rest layer, RabbitMq as message broker, Couchbase as NoSql datastore
- Created an android app which helps the employees to navigate inside the office, pointing out individual seats, offices and conference rooms. It also helps the employees to broadcast messages at team and department levels. Server side was written in PHP and used Sql for data storage.
- Worked on framework to localize company's website.

Intern	Advant Techservices India Private Limited	May, 2012 - June 2012

- Advant Techservice is an Indian company which provides mobile and cloud based solutions for Education, Government, Manufacturing, Pharma, and Retail verticals.
- Developed an Android Application named Irrigation Tank management System which helped to track irrigation water tanks with features like sharing of data, videos, pictures and location among people involved in project.

Teaching Experience	Indian Institute of Technology(BHU)	August, 2013 - April 2014

- Teaching assistant at Computer programming lab for first year students.
- The strength of class was around 60 students .

Courses Studied

Linear Algebra, Statistics , Stochastic Processes, Real and Complex Analysis ,Graph Theory, Non-linear Mathematics , Topology and Functional Analysis, Partial Differential Equations, Advanced Numerical Analysis ,Mathematical Modeling and Simulation, Calculus of Variation and Integral Equations , Soft Computing and Design and Analysis of Algorithms.

Technical Skills

Languages	Tools and Development Environments	Databases	Others
C, C++, Java, C#, PHP, MATLAB, Python	Visual studio , intellij, Eclipse	Sql , Couchbase	Linux , bash scripting

Competitions and Awards

- Designed a team of 4 autonomous bots (Java UI) for international competition Virtual Combat which was based on Robocode. Reached semifinal round, among the top 8 teams out of more than 100 teams from all over the globe.
- Cleared Joint Entrance Exam -2009(IIT-JEE, 98.73 percentile) and All India Engineering Entrance Exam -2009(AIEEE, 99.68 percentile).
- Organized technical Events in Tecnex'13, annual technical fest of IIT-(BHU), Varanasi
- Cleared first round of International Physics Olympiad in 2009.
- Won gold medal in Science and Cyber Olympiads at school level.
- School Captain in the year 2007-08.