भारतीय प्रौद्योगिकी संस्थान खड़गपुर
Indian Institute of Technology
Kharagpur

KAUSTAV SAHA

ACADEMIC DETAILS

DEGREE/DIPLOMA	SCHOOL	YEAR	GPA/MARKS	MAJOR
M.Tech	IIT Kharagpur	2010	7.6/10	Information Technology
B.Tech(Honors)	IIT Kharagpur	2009	7/10	Computer Science & Engineering
ISC Board	M.P.Birla,Kolkata	2005	81.3%	Science,English,Bengali
ICSE Board	M.P.Birla,Kolkata	2003	86.2%	General

INTERNSHIPS/WORK EXPERIENCE

Tenure	**School of Informatik,University of Rostock,Germany** May-July,2008
Project	**Data-Mining on Performance Simulation Data**
Responsibilities	To develop a framework for data mining on simulation performance data in Java to generate and evaluate various kinds of simulation algorithm selectors with stochastic simulation algorithms.
Achievements	▪ **Publication(Cited)**:Data Mining for Simulation Algorithm Selection SimuTools,Rome,Italy,March,2009. **URL**- **http://portal.acm.org/citation.cfm?id=1537633** ▪ **Suggested Machine Learning approach** for Data-Mining based **on simulation algorithms from Computational Biology perspective**.
Tenure	**Knoesis Research Centre,Ohio Centre of Excellence,Dayton,Ohio,USA** May-July,2009
Project	**Development of Semantic Browser for Medical Data Analysis**
Responsibilities	Semantic Web Techniques such as ontology engineering and knowledge exploration applied to discover reasons for pharmaceutical drug abuse.IR techniques such as indexing and Web design in JSP,JavaScript,Java Servlet used in SVN code sharing environment.
Achievements	▪ **Suggested Keyword Search and Triple Search as critical components in the Semantic Browser**. **URL**- **http://knoesis1.wright.edu/scooner/demo/semantic_browser_demo.swf** ▪ **US Patent** to filed in December,2010.

MAJOR ACADEMIC PROJECTS

Masters Thesis Dec,2009-	**Goal**-Development of a **Software Design Pattern Discovery Tool**. **Achievements**-Proposed Pattern Detection Algorithm based on Knowledge Discovery Metadata(KDM) in Model Driven Architecture(**First such Proposal in the given Research Area**). ▪ **Expected Research Publication in Software Ontology(Evolving Research Domain)**
Bachelor Thesis Aug, 08-Apr,09	**Goal**-A novel **Regression Test Suite Selection Technique**. **Achievements**-Designed Regression Test Selection and Test CasePrioritization for S/W Fault Detection. ▪ These techniques **predicted the stability of a Software Architecture**.
Design Lab	**Goal-Forecasting Trends in Temporal Association Mining** for time-series Data. **Achievements**-Formulated the Discovery of associated item sets whose prevalence variations over time are similar to the reference sequence thus enabling the **Retrieval of Co-occurring Patterns**. ▪ **Stock Price Modelling using SAS** has been done.

TECHNICAL SKILLS/FINANCE COURSES

-C,Java,VHDL,SQL,SAS,XML,Eclipse,Weka,Matlab,MSOffice,MagicDrawUML,KDM.
-**Financial Engineering(A),International Finance(A),Corporate Finance(B)**.

EXTRA CURRICULAR ACTIVITIES /ACADEMIC DISTINCTIONS/TEAM-WORK

DRAMATICS	--Member of the **Gold-winning team** in Open IIT English Dramatics in 2007 --Member of the **Silver-winning team** in Inter-Hall Bengali Dramatics in 2007
INTERNATIONAL	--Recipient of the **Annual Thomas K.Sudkapp** Scholarship for the city of Dayton,Ohio,USA in 2009 --Recipient of **DAAD(Germany)** Scholarship for the Summer Technology Exchange Program in 2008
SPORTS	--Member of **Silver-winning** Soccer Team for **Intra-State(West Bengal)** School Competition in 2003

About me: I am a self motivated individual who loves challenges and is not afraid to go that extra mile in attaining his goals and ambitions. I believe that the best way to be happy forever is to love what you do, and to do it well.

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