

Jyotiska Nath Khasnabish

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- Education** *Master of Technology, Computer Science (Database and Information Systems)*
International Institute of Information Technology, Bangalore
July 2012 - July 2014(expected)
GPA: 3.03/4.0
- Bachelor of Technology, Computer Science and Engineering*
West Bengal University of Technology, Kolkata
August 2007 - July 2011
GPA: 8.2/10.0
- Interests** Web Development, Massive Data Mining, Big Data, Hadoop, Data Analytics, Social Network Analysis, Graph Theory.
- Work Experience** Research Associate, Travel Behaviour Research, UIC Trans Lab, University of Illinois at Chicago (January 2013 - March 2013)
- Internships** *Globsyn Technologies Ltd.*
Developed a project website on Online Hospital Management System using ASP.NET, Oracle 9i and Microsoft Visual Studio 2008 (July 2010 - August 2010)
- Jadavpur University*
Designed a Mailbox based on Client-Server Architecture using TCP/IP programming in C and finished 3 months training on System Admin (July 2010 - September 2010)
- Projects** *Designing a Web Crawler, BITS Lab, University of Illinois at Chicago*
Designed a web crawler using Bash script which takes a web url as input and finds the invalid links in the website and its subsequent pages and reports back to the user.
- Building a Vending Machine App, Electronic Visualization Lab, University of Illinois at Chicago*
Designed and built an app for Symbian OS in Nokia Qt using QML and C++ which interacts with vending machines and helps people to browse through the choices and buy an item.
- Discounted Shortest Path, Algorithm Course Project, IIIT Bangalore*
Proposed a new approach in finding the shortest path in a large graph where some edges carries discounts where our goal is to reach destination from source using as many discounted edges possible keeping cost minimal. Also coded the proposed algorithm in Java.
- Codon Optimization for development of DNA Vaccines, Techno India*
Developed an application in C# which matches patterns between millions of DNA expressions for a specific mammalian species and a sample of drug or vaccine and finds the highest match using Dynamic Programming and Parallel Dynamic Algorithm.
- Comparing Book Prices online from Indian Merchants, www.bookbazar.in*
Takes a book name or authors name from the user and displays the details of the book and the prices from different Indian online merchants. Website is designed in PHP.

Virtual File System using C, Data Management Project, IIT Bangalore

A virtual file system (VFS) is an abstraction layer on top of a concrete file system that provides the ability manage information about files and folders present in the hard disk. The project was developed using gcc using following: nary Tree, Hash Table, Linked List and BST.

Picvik, JSP Project/IBM TGMC Project, IIT Bangalore

An online photo and video sharing websites where user can create own accounts, upload pictures and videos and even rate, comment and discuss. Features a wall which streams all public uploads by all users in real time. Built using JSP and Struts2.

Technical Skills

Languages: C, Java, Python, C#, C++
OS: Windows 9x/2k/XP/Vista/7, UNIX, Ubuntu, Fedora, Mac OS X
Web: ASP.NET, HTML/CSS/JavaScript, PHP, JSP, Struts 2, jQuery
Productivity: MS Visual Studio, Nokia Qt, Kinect SDK, MATLAB, Gephi, L^AT_EX₂ ϵ
Database: MySQL, Oracle 8i/9i/10g, XML, Microsoft Access

Publications

Jyotiska Nath Khasnabish et al. Classification of Roles in Healthcare Delivery Process and Centralizing the Health Information System on Classified Roles. International Conference on Telemedicine (TELEMEDICON '12), Coimbatore, India.

Achievements

Infosys Graduate Student Scholarship (1 of 5 recipients among 157), 2012
Coursera Certificates Social Network Analysis (91.8%), Programming Python (93%)
Best Website Design, Globsyn Technologies Ltd, 2010
Database Administration Training Certificate, Hewlett-Packard, 2009
Certificate of Excellence in C# Training, NIIT India, 2008