

SOURAV CHAKRABORTY



DOB: 28/01/1989

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Current Position:

Bachelor of Information
Technology, 4th Year
Jadavpur University

Objective: To obtain a position in a leading software company

Academic Qualification:

Examination	Board/University	Year	Percentage/YGPA
Secondary	WBBSE	2005	92.75
Higher Secondary	WBCHSE	2007	89.50
B.Info.Tech 1 st Year	Jadavpur University	2008	8.64
B.Info.Tech 2 nd Year	Jadavpur University	2009	8.69
B.Info.Tech 3 rd Year	Jadavpur University	2010	8.96

Technical Skills:

- Sound technical knowledge and clear understanding of the subjects
- Ability to apply theoretical knowhow to solve practical problems efficiently
- Ability to think out of the box in unusual situations

Programming Languages Known:

- C, C++, Java
- C#, .NET
- HTML, CSS, Javascript, XML, XSLT
- SQL, PL/SQL
- Shell Script, Batch Programming
- MatLAB

Tools/Libraries Used:

- GTK, GTK++, QT, Glade
- Lex, YACC, Flex, Bison
- JSP, JDBC, Boost
- Adobe Photoshop, Flash
- Sony Soundforge

Soft Skills:

- Willingness to learn and share knowledge
- Ability to work efficiently in a team
- Excellent leadership and motivational skills

Languages Known:

- English (Read, Write, Speak)
- Bengali (Read, Write, Speak)
- Hindi (Speak, Read)

Projects:

- **Automatic Text Summarization Using Fuzzy Logic**
 - *Dr. D. P. Mandal, Indian Statistical Institute Calcutta (From May 2010)*
 - Studied Extraction and Abstraction based techniques for text summarization
 - Studied comparison of automatic text summarizers with human generated summaries for scoring
 - Implemented an automatic summary generator using extraction based fuzzy set
- **Application of Particle Swarm Optimization in Positioning of Wireless Access Points**
 - *Dr. U. K. Roy, Jadavpur University (February-May 2010)*
 - Studied Various Techniques (e.g. Genetic Algorithm, PSO, Ant Colony Optimization) to solve (approximately) np-complete problems
 - Studied concepts of tessellation, triangulation, graph connectivity
 - Developed a Java program to implement these constraints and find an optimized positioning of wireless access points
- **Removing Hazards in assembly code using minimum no. of stalls in pipelined CPU architecture**
 - *Dr. Ansuman Roy, Jadavpur University (April 2009)*
 - Studied operation of assembly code in pipelined CPU architecture
 - Studied and optimized use of NOP to remove stalls
 - Optimized re-ordering of code to reduce running time.
- **Designing a cross-platform media player using Gstreamer and GTK**
 - *Self-initiative (Nov 2008-Jan 2009)*
 - Developed the back-end of the media player using Gstreamer framework supporting both UNIX and Windows environment
 - Developed the GUI using GTK to maintain portability
 - Included support for Album Art, ID3 tags and Playlist with Recent and Favorite songs

Extra-Curricular Activities:

- **Computer Gaming**
 - Winner of NFS: Most Wanted in SRIJAN '09 (Jadavpur University)
 - Winner of NFS: Carbon in EDGE '09 (Techno India)
 - Selected as Beta tester for NFS: World launched in 2010
 - Also participated and won in various tech fests in other colleges
- **Photography**
 - Active member of Jadavpur University Photography Club
- **Coordinator of SRIJAN '10**
 - Coordinated the event C-THRU at SRIJAN, Jadavpur University's annual Tech Fest, working in a team of 6 members
 - Actively participated in planning and managing the event
 - Set the questions and developed an online examination system to evaluate the participants
 - Came up with innovative ideas for online publicity to increase the popularity of the event

References:

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I hereby declare that all the above written particulars are true to the best of my knowledge and belief.