# Rajorshi Biswas

Address: "Nirala", Rabindranagar, Kolkata 700018, India

Email : rajorshi\_iiitc@yahoo.com / rajorshi.biswas@gmail.com

**Telephone** : (91) (33) 2491-5616

Website : <a href="http://www.rajorshi.tk">http://www.rajorshi.tk</a> / <a href="http://www.rajorshi.tk">http://rajorshi.cjb.net</a>

**Date of Birth**: 26<sup>th</sup> September 1981

## **Objective**

A challenging career in the software industry where core programming skills would be required.

# Education

Year	Institute	Examination	<b>Board / University</b>	Semester GPA
2004	Indian Institute of Information Technology, Calcutta	BE in Information Technology	West Bengal University of Technology	Simple Average: 8.95 (on 10.00)
2000	St. Xavier's Collegiate School, Calcutta	ISC	CISCE	91.83% (all subjects)
1998	St. Xavier's Collegiate School, Calcutta	ICSE	CISCE	<b>90.67%</b> (all subjects)

# **Experience**

 [August 2004 – present]: Software Engineer, Motorola India Electronics Limited, Hyderabad, India. Developing applications in C for embedded devices.

#### **Accomplishments**

- Received the "Father Dobinson Memorial Medal" in class 10 for the **Best Student** and the "Abhijit Sen Memorial Medal" for the **Best Science Student** in the ICSE examination at St. Xavier's Collegiate School, Calcutta.
- Ranked 5<sup>th</sup> in the All India Admission Test to IIIT-Calcutta, among approximately 13,000 examinees.
- Received **First Prizes** at the Programming Competition, IT quiz and Open Software Development at Algorhythm 2003 and in the IT quiz organized by the **Institute of Engineers, India** in September 2003.
- Represented my institute at the ACM Programming Competition 2002 and 2003 (sponsored by IBM) at IIT-Kanpur and IIT-Powai.

### Articles/Papers Published

- Article: "Eclipsing the Rest" Parts 1 and 2 on IBM's Eclipse IDE published in "Linux For You" Asia's first magazine on the Linux operating system in July and August 2004.
- Article: "Introducing Gawk" published in two parts in the June and July 2003 issues of "Linux For You" under the "Expert Programming" category.
- Paper: "A fast implementation of the RSA algorithm using the GNU MP library" at the **National Workshop on Cryptology 2003** organized by the **Cryptology Research Society of India**, at Anna University, Chennai.

#### Areas of Expertise

<b>Programming Languages</b>	C/C++, Python, Unix Shell		
<b>Operating Environments</b>	GNU/Linux, Microsoft Windows		
<b>GUI Development</b>	Qt-Designer, KDevelop, Microsoft Visual C++		
Design Tools	Macromedia Dreamweaver, Adobe Photoshop		

#### **Training**

- [January July, 2004]: At **Alumnus Software Limited**, working on verification of MMS Content Transcoding for **RITE**: an MMS network testing platform developed using Python, C++ and wxPython.
- [June July, 2003]: As a summer trainee at **R.S. Software India Limited**, developed Genie: a client-server search utility capable of searching contents of Word/Excel files in a corporate intra-network.

#### **Projects**

- Developed WineWorks: a suite of enhancements to the 'wine' Windows emulator on current Linux systems. Built using C++, KDevelop 1.4 and Qt-Designer, this project won the First Prize in the Open Software Development competition at Algorhythm 2003 the fest of Indian Institute of Information Technology, Calcutta.
- Developed a GUI based implementation of the **RSA** public key cryptosystem (bitstrength: 512 to 2048) using KDevelop, Qt-Designer and the GNU-MP library. This project was done at **Indian Statistical Institute**, **Calcutta**.
- Developed SCS: a source control system similar to the Concurrent Versions System (CVS) for Microsoft Windows platforms using Visual Basic 6.0.
- Designed and developed **Rishta-Bandhan.com**: a matrimonial website using ASP, Macromedia Dreamweaver and Adobe Photoshop.

Further details of my projects can be obtained at the following URL: <a href="http://www.rajorshi.tk">http://www.rajorshi.tk</a> or <a href="http://rajorshi.cjb.net">http://rajorshi.cjb.net</a>.

## Languages Known

English, Bengali, Hindi and elementary **French** (from Alliançe Française de Calcutta).

#### Personal Interests

Music, fiction, table-tennis and cricket.