**Sayan Bhattacharya**

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Career Objective: To gain experience by working in a professional environment and to contribute to a project by tackling challenging problems and in the process gain deep expertise in technology and domain.

Professional Experience: Working in the Core Banking Application Team in Misys Financial Software (Feb 2015 to Present)

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| --- | --- | --- | --- | --- |
| **Examination** | **School/ College** | **Board / University** | **Year of Completion** | **CGPA/ Percentage Secured** |
| **B. Tech**  **(Computer Science Engineering)** | West Bengal University of Technology | West Bengal University of Technology | 2014 | 76.8% |
| **12th** | South Point High School, Kolkata | West Bengal Council of Higher Secondary Education(WBCHSE) | 2010 | 72.1% |
| **10th** | South Point High School, Kolkata | West Bengal Board  of Secondary Education(WBBSE) | 2008 | 85.6% |

**Educational Qualification:**

**Technical Skills:**

* C,Python,Db2,Flask,Java,Git,SVN,Data Structures– Proficient
* Database & MySQL, Operating systems, JavaScript,Computer Networks Software engineering principles – Moderate Proficiency,
* Favorite subject—Data Structures and Algorithms
* Subjects of Interest – Design and analysis of algorithms, Optimisation Techniques, Data Science
* Topics currently learning –Web Application development using Python ,Mongo DB

**Behavioral skills:** I am an agile person who would like to work within a challenging environment that may keep on changing with emerging technologies but that’s what I intend to do—to learn new things, gain expertise by doing and put them into a concrete model/practice. I’m a fun loving guy who loves to work with team members and brainstorm solutions, build on each other’s ideas and enjoy solving complex problems. I also like to pursue critical topics through extensive research and going deep into a topic. This not only enables me to learn the best way to apply technology to solve the issues at hand but also helps me keep myself updated and gain expertise in new topics.

**Projects Undergone in College**

**Synthesis of Quantum Computing Circuit**

* Description: The objective of this paper is to build a 4-bit Half and Full Adder with the help of Reversible gates. We took the use of Toffoli (universal reversible logic gate) and Fredkin gates to implicitly prove about the reversibility of information. The project was also presented through a whitepaper.
* Duration: 12 months
* Team Size: 4

**Projects Undergone in Misys Financial Software**

**Tenure: 18 months (currently)**

* **Wrote multiple API’s for IPD(Islamic Profit Distribution) a Misys product ,in java for fetching Base Code Rates from Essence(Core Banking application) side so that other shared applications can get the xml report of the responses accordingly. Used Soap UI for testing**
* **Was one of the important contributors for Bug clearing of YOMA Bank’s issues with the product for the BFUB 4.2.5.5 release**
* **Currently working in the China Requirements project where we are enhancing various core banking modules like Fixed Deposit,Multi Currency Account and sub Account inclusion feature using Java. For the 5.0 release React framework was used for developing new screens**
* **Developed the Recurring Deposit Module with the China Team for the 5.0 release**
* **Fixed 60 odd issues with for Essence releases from 4.2.3 to 5.0**

**Comparison of VaR values using various models for Misys’ internal Hackathon**

VaR or Value at Risk of an Equity was calculated using Normal Distribution VaR, Monte Carlo VaR, Mixture Distribution VaR and Extreme VaR for our Fusion Risk product report using IPython, jupyter Notebooks, Anaconda. The project was presented as idea for an internal hackathon which was appreciated for being an original work for the product

* Duration :2 months

Team Size : 2

**Personal Projects:**

* Built a website listing the menu’s of some restaurants using Sqlalchemy and Flask.
* Built a small scale social networking site having functionalities of posting updates,

Following users with register and login features.Accomplished using python Flask, Sqlite ,html

**Github Link** :- https://github.com/riemannzeta1191

**Coursera** – Machine Learning,Node.js

**Achievements and Accomplishments:**

* Made a short documentary concerning the Vietnam War by collecting exclusive raw war footages. It was very well appreciated for extensive research, narrative and creativity.

**Hobbies and Interests:**

* Keeping updated with latest technology trends
* Reading books on various topics
* Debating on current trends
* Singing

**Personal Information:**

* Father’s Name : Mr. Sandip Bhattacharyya
* Mother’s Name : Mrs. Sujata Bhattacharyya
* Date of Birth : 11th September ,1991
* Gender : Male
* Language skills : English, Bengali, Hindi,
* Current Address & Permanent : 63B P.G.H Shah Road ,Jadavpur,Kolkata-32