Rwik Mukhopadhyay

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Bangalore. India.

# Education

B.E in Computer Science & Eng. 2006 — 2009

Manipal Institute of Technology, Manipal

Marks obtained : 7.15 (Consolidate GPA )

Diploma in Computer Sc. & Eng. 2003 — 2006

Siddaganga Polytechnic, Tumkur.

Marks obtained: 77% (Distinction)

10th. standard 2000

Barrackpore Govt. High School (West Bengal Board Of Secondary Education.)

Marks obtained: 64%

# WORK Experience

**Solver Integration and dynamic plotting in MPV6**

**Details:** Starting external Command line based application from gui and generating real time graphs from results.

**Technologies used**: c ++,STL, QT,VTK,OpenMP  
**Role**: Planning , designing, developing, bug fixing . Planning work schedules, reviewing completed tasks, solving development related queries.

**Cadgen V6**

**Details:** Rewriting a command line based mesh generation application using qt to make it cross platform and user friendly.

**Duration**: July 2013 – Present   
**Technologies used**: c ++,STL, QT,VTK  
**Role**: Planning , designing, developing, bug fixing . Planning work schedules, reviewing completed tasks, solving development related queries. Assisting in mesh generation algorithm conversions.   
  
**MPGUI Porting**

**Details:** Porting of multi physics tool MPGUI was done to make it cross platform and user friendly by enhancing its UI.

**Duration**: Feb 2013 – July 2013   
**Technologies** used: c ++,STL, QT,VTK  
**Role**: Assigning development tasks, planning work schedules, reviewing completed tasks, solving development related queries and development.  
  
**Fluidyn-CAE Pre Processor**

**Details :** The Fluidyn-CAE is a geometry based modeling tool. The CAE pre-processor is a powerful module for application performance-seeking engineers, especially to save time and gain efficiency in case setup on geometry.

**Duration**: March 2010 – Dec 2010  
**Technologies Used**: VC++ 6.0  
**Role**: Implementation of design and bug fixing.

**Prelib**

**Details :** Prelib is a cross platform library to store and manage pre-processing data for multi physics tools.

**Duration**: March 2010 – March 2011  
**Technologies used**: C++ ,STL   
**Role**: Design and implementation.

**Screenshot Module**

**Details:** Created a image saving module to save screen shots in various formats.

**Duration**: February 2010 – March 2010  
**Technologies Used**: c ++,STL, ImageMagick®  
**Role**: Design and implementation.

**MPGUI Porting**

**Details:** Porting of multi physics tool MPGUI was done to make it cross platform and user friendly by enhancing its UI.

**Duration**: March 2011 – Feb 2013 ,  
**Technologies Used**: c ++,STL, QT,VTK  
**Role**: Design and implementation.  
  
**Version Control System**

(Submitted for partial fulfilment of B.E. in Computer Sc & Eng.)   
**Technologies used**: Python, Linux shell scripts, PHP  
**Brief Description**: It is a mock version controlling system for software developers.

**TRACKS (Time Recording application for attendance using electronic Clocks)**

(Submitted for partial fulfilment of B.E. in Computer Sc & Eng.)

**Technologies used**: Developer 2000, Oracale 10g  
**Brief Description**: Tracks is the attendance recording system used in TATA Steel (Jamshedpur). I worked with ARS development team to form an Information Management system for its software module.

**College Library Automation And Management**

(Academic project for partial fulfilment of Diploma in Computer Sc & Eng.)

**Technologies used**: Microsoft Visual Basic 6.0 , Microsoft Access.  
**Brief Description**: It is a simple library management software with an intuitive interface. It is designed as per the requirements Of Siddaganga Polytechnic college library. The software is completely customizable at administrator level. It can save records of all the transactions done in library and can generate various different reports as per requirements.

# Certifications

* Scored 82% (94 percentile ) in PHP4 test by ExperRating. Transc ript Id: 1572311
* Successfully completed Linux Internals & Programming Essentials course (llc 104) from Linux Learning centre(Bangalore).
* Successfully completed PHP programming course (llc 205) from Linux Learning Centre (Bangalore).
* Successfully completed INFOSYS-“Campus Connect” program.
* Attended a course on C++ in Aptech.
* Successfully completed C++ Programming (CS-107), Elementary Data Structures (CS-201) from Saylor.org.
* Certificate for securing highest marks in 1st year,2nd year and final year diploma examinations in Computer Scienc e & Eng. from Siddaganga Polytechnic ,Tumkur(Karnataka).

# TECHNICAL Skills

* Programming Languages: C, C++.
* Libraries: STL, Qt, VTK(Basics)
* Version Control: SVN , Git.
* Scripting Languages: Python,Shell,PHP
* Operating Systems: Linux , Windows.
* IDE : Qtcreator,Eclipse
* Others : OOPS Concept, Design Pattern, Data Structure.
* Database : Mysql

# Other Interests

* Photography (<https://bemused.culturalspot.org/browse>)
* Blogging ([rwik.in](http://www.rwik.in))

# Other Details

Name: Rwik Mukhopadhyay

Father’s Name: Mr. Amitava Mukherjee

Date of Birth: 26.01.1984

Age: 31

Gender: Male

Nationality: Indian

Languages Known: English,Bengali,Hindi

Permanent Address: 145, Sewli.Post-Telenipara. Kolkata-700121, W.B. India.