

**Email:** ravisethia2009@gmail.com

**Short description:** After exploring GnuCash and having experience of using Tally ,I feel that Business Integration specially POS and also support for Indian Languages are two important things I would love to work upon.Also I would like to integrate some of borrowed features from Tally and other pioneering accounting software so that it becomes a full packaged software suitable for needs of small business to large Enterprises.My business background and technical expertise in programming suits it.

**Status:** pending

### **Basic Information**

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### **Background/Programming Information**

I am a student pursuing B. Tech(currently in my 2nd Year,4th semester) from the Computer Science and Engineering Department of Indian Institute of Technology Guwahati,India.As part of my curriculum I have imbibed strong theoretical foundation of core computer science courses.We are regularly provided assignments and projects that have helped a lot in getting a vast and variety of experience in coding.

1.Yes I have successfully built GnuCash from SourceCode ,used SVN.

#### **2.Programming Experiences:**

Languages and IDE:- C,C++,Python,PHP,Qt4,Visual Studio,PHP

Operating Systems:- Windows,Linux-Ubuntu

Compilers :-Gcc, g++,GnuDebugger

Databases :MySQL,DB2

have experience of coding in C/C++ ,Python and Qt4,Visual Studio

Some of the relevant projects done by me are

#### **\* 1. Hospital Automation Project \***

- Automation of the institute hospital by designing a desktop based app and networking among the various computers to enable minimum manual work .

- Lead a team of 18 students to implement the project using Python and Qt and IBM DB2

#### **\*2.Project:Tool for Searching Files on Hard-disk\***

- Designing a utility tool similar to Google desktop based on Python

- User enters the text string and the program searches for it in all the relevant files on computer using a search index

#### **3.\* MIPS Simulator \***

- Wrote a MIPS simulator using C++ as part of assignment

#### \*4.8085 Assembler

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- \*A \*simple two pass assembler in C as part of assignment.

I have also taken **relevant courses** in the as part of my curriculum in my 2 years.

- C++ and Data Structures
- Introduction to Algorithms
- Software Engineering
- Introduction to C

### 3. What project in GnuCash would you like to work on? and

### 4. What will be the result of your project (e.g. "At the end of my project, GnuCash can handle twenty new import and export file formats")?

I would like to work on the **Business Integration** project and like to add into this features for a **Point of Sale** application and also add support for Indian Languages as I see a huge potential of this in the transitional phase of Indian Market where shops are starting using software for managing accounts and need a tool like thgis also many small shops are giving way to organised retail hence POS will be an important application to use .If I will be able to finish the project early then I would add some more features from Tally and also add a migrate tool from tally to Gnucash so that it can be easily deployed for users migrating from Tally to GnuCash .I have experience of the prerequisites of this project as I have experience of coding in C on Linux.As I know Qt I expect to learn Gtk+ early,currently I have only an idea of Gtk+.My familiarity with business software like Tally will help me a lot and also since I and my family business has been using Tally,we have an idea of the businessman requirements.

Hence my job is to make this into an application usable for personal use as well as big enterprises i.e a fully feature packaged software .Alternatively if this can be added to CuteCash using Python and Qt if the teams focus is more on Cute cash.I will modify my plan accordingly.

### How do you propose to solve the problem(s) posed in the project you'd like to work on?

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I would be working 35-40 hours /week. I like to have flexible timings.I will be staying at my home for my vacations and hence will have no other commitments to focus upon

The proposed plan:

In the first phase

from 23rd May to 4th June

I plan to extensively explore the code and learn "scheme" so that I know the whereabouts of the software.

Phase 2

From 4th June-25th June

I will be figuring about what necessary changes need to be made to the software to make it a POS taking vital inputs from business houses and my contacts about the various functions that need to be done as a POS application.Then will document and plan the implementation through the libraries available in C and learn about all the libraries.

Phase 3.

from 25th June -11august

Thorough coding of the planned features in ample time and reporting the team

## **1 comments**

**Ravi** [April 8, 2011, 7:03 p.m.](#)

Phase 4

Documentation and Testing

from 11 august-18th august

I will thoroughly test the features added for bugs using my knowledge of software testing

from 19th august-26 august

Proper documentation of all functions .Inline documentaion,user documentation and technical documentation of all features.and if time permits I will look for the other features such as translation and migartion tool