

## Sri Ananda Seelan

Phone: +91 9789269542

Email: ananda.seelan@gmail.com

### Professional Objective

To become an expert developer delivering high quality software.

### Education

**Bachelor's degree in Computer Science and Engineering**, 2010–2014,  
Amrita School of Engineering, Coimbatore.

**CGPA: 8.29**

**12th Standard**, May 2010,  
Sri Sarada Balamandir Boys' Matric. Hr. Sec. School, Salem.  
*Score: 95%*

**10th Standard**, May 2008,  
Sri Sarada Balamandir Boys' Matric. Hr. Sec. School, Salem.  
*Score: 89%*

### Programming Skills

*Programming Languages* : C, C++, Python-2.X, HTML, JavaScript, Scheme (under study).

*GUI Toolkit* : wxWidgets.

*Web development Toolkits/Frameworks* : Python Flask, jQuery, Twitter Bootstrap, EnyoJS, NodeJS (under study).

*Databases* : PostgreSQL, SQLite

### System Administration Skills

*Operating Systems* : Linux (mainly Ubuntu, OpenSuse but also familiar with other distributions).

*Version Control System* : Git (under study).

### Interests

- General Purpose Programming
- Web Development
- GUI programming
- Open Source Software

### Internships

**Research Internship - Amrita Multidimensional Data Analytics and Research Lab:** Worked on an e-learning tool called *Amrita Content based Indexing and Searching Tool* that is being developed based on the research going on in the Department of Computer Science, Amrita School of Engineering - Coimbatore. Part of the team that developed a novel framework that identifies and classifies different types of relationships between instructional videos and also other type of educational media based on their content. Have submitted a paper for review titled *A Statistical Approach for Modelling Multi-Faceted Relatedness between Informative Media* to the *International World Wide Web Conference '14*. Gained experience in doing research work on areas like *Information Retrieval, Data Analysis and Visualization*. Also worked on software development that included implementing a web based application for the module and also applications for user-studies. Worked with *D3 javascript library* for visualizing data obtained during the experiments.

**Human Factors International:** Interned with a contractor for HFI working on a cross-platform desktop application to monitor their servers. This application serves as a control panel that is being used by the employees to control and monitor their remote servers.

*Written in python using wxWidgets for cross-platform UI. Used python-fabric for controlling the servers over ssh.*

### Projects

**Docu - Version control writing for Indian Languages:** An open source application under development that aims at

providing automatic document management and version control for text documents. Integrated with an editor, Docu supports text-editing in seven different Indic scripts including hindi, telugu, kannada, etc.  
*Git, nodeJS, node-webkit, enyoJS and google-closure libraries are being used for building this application.*

**TaskOrg:** A web application that was developed for providing task management facility for the users with to-do lists and multiple views for managing them with a good number of features.

*Python-flask was used for building the server. Front-end frameworks that were used include jQuery and Twitter-Bootstrap.*

**Collision Course:** A 2D ball dodging game written during a code-a-thon which also won the third place in the same event.

*HTML5 canvas api and javascript were primarily used with box-2d physics engine for developing this game.*

Game url : <http://collision-course.herokuapp.com/>

Source : <http://github.com/scarecrow1123/collision-course/>

**Monopoly:** This is a board game with simple graphics based on the original American "Monopoly" game.

*Written in C++ with WinBgi graphics library for user interface.*

**Supermarket Management:** A console application developed for managing inventory and billing purposes for a supermarket.

*Written in C++ for the linux platform.*

## Achievements

- Qualified for the ACM-ICPC 2014, Amritapuri regionals.
- Won the third place in a web-designing event held during a National level Student Convention conducted by Computer Society of India.
- Secured the third position in a code-a-thon event conducted by Amrita School of Engineering-Bangalore for developing a game application in 24 hours.
- Won the second place in "Hexathalon", a technical event conducted during a National level Tech. Fest conducted by Amrita University.

## Activities

- Active member in Stack Overflow.
- Typeracing, lurking in hacker news and reddit.
- Reading and listening to music.

## Other details

*Date of birth* : 03-08-1992.

*Human Languages* : Tamil, English.

*Address* : 346-A/1, IInd Cross Street,  
New Colony,  
Vallam,  
Chengalpet, TAMILNADU - 603003,  
INDIA.