

Jayanth Katuri

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WORK EXPERIENCE

Mintables

DEC - 2013 — JAN - 2014

Intern

Its a startup on 3-D printing technology. I worked as a back-end developer for their website. I used php(XAMPP),
mysql for this work.

Clapone

MAY-2013 — JUN-2013

Intern

Its a startup by our seniors on E-Commerce. This intern was about learning how E-Commerce works and also
update their database.(joomla CMS)

Fantasian

NOV-2014

Intern

My responsibility is to develop a nodeJS application that calculates perfect match for given set of registered
players using Score based Bayesian Skill Learning approach.

PROGRAMMING

Programming Languages : C, Cpp, JAVA, PYTHON.

I use C# for UNITY-3D game engine and Blender for modeling objects. I do some basic Android development in
Eclipse ADT.

Web - technologies : HTML, Little bit of HTML5, CSS, Javascript/JQuery, PHP, SQL, nodejs, Webgoat, Redis.

PROJECTS

Summer Projects :

1. Simulation of Tsunami waves in MATLAB, Earthquake Engineering Research Center, IIIT.(Non -
Achedemic). Presented at an International conference in Indian National Center for Ocean Information
Services.

This is an application that predicts the arrival of the wave from the point of creation to the shore. A user
can click on the map for creating the source of Tsunami and the output shows the time of arrival at
different shores which are probable for impact. This uses Image processing for the detection of depths in
the map using the bathymetry data.

2. A project on Quantum Computing, CCNSB Center, IIIT-H. : This project is to understand the how the
Quantum Computer works and the latest research developments in this field. I also developed an

algorithm for a problem similar to Traveling Sales Man problem in quantum computer (computational model) and it is being reviewed by one of the Professors.

Academic Projects:

1. Library Management System, a website, in web2py(python) : This website helps in managing the Library of our institute like checking in books, checking them out, memberships, student/professor logins etc.
2. Word Sense Disambiguation, a web application, in web2py(python) : This is an crowd sourcing application that helps in translation of sentences from Hindi to English and vice versa. This application works on the basis of previous translations fed into it. Some privileged users can also define some translations in order to improve the application's accuracy of translation. Focus is on translating the sentences based on the context like, for example, bank may mean a financial bank or river bank.
3. Database Management System, a database application of Hazel Ice cream parlor in SQL : This application is a database model with best possible relations for maintaining the parlor. It take care of the data from suppliers to customers of the parlor.
4. Compiler for Decaf Programming Language : This code converts an input in Decaf (programming language similar to C) to LLVM Intermediate Representation. It was written using LEX and YACC for semantic analysis and parsing.

EDUCATION

Computer Science and Computational
Natural Sciences

AUG-2012 — APR-2017

International Institute of Informational Technology

Currently in my 3rd year

ACHIEVEMENTS

1. Was selected Deans Academic award for Semester - 1.
2. Secured 98% in 12th, SSC Board, Andhra Pradesh.
3. Secured a rank of 2890 in All India Engineering Entrance Examination (AIEEE) .
4. Secured a rank of 289 in Engineering Agricultural and Medical Common Entrance Test (EAMCET).