S7 B.Tech Student,
Computer Science And
Engineering,
NIT Calicut
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Vivek Anand T Kallampally

Academic Qualifications:

NIT Calicut, India	2009-Present
B.Tech. Computer Science and Engineering : CGPA 8.66 (over 6 semesters)	
St. Antony's Public School & Junior College, Kottayam , India	2007-2009
AISSCE from Central Board of Secondary Education (CBSE) (Std. XII) : 92.6 % AISSE from Central Board of Secondary Education (CBSE) (Std. X) : 90.2 %	

Skill Set:

Programming Languages	C, C++, OCaml
Parser Generator	Lex, Yacc
Database	MySQL, PostgreSQL
Web Scripting	Basics of PHP, HTML and CSS
Assembly Languages	MIPS
Tools/Utilities	Adobe Photoshop, Adobe Flash, Swish, Microsoft FrontPage
OS	Windows, Linux

Project Details:

5	Operating Systems
Organization	NIT Calicut
Duration	January 2012 – April 2012
Description	Designing an experimental Operating System based on an architecture called ESIM (Extended Simple Integer Machine). OS will have multiprocessing capabilities. This project will replace the current operating system laboratory course for future batch of students.
Role	Part of the 3 member development team.
Environment	C, ESIM
Tools	ESIM Simulator (Developed at NIT Calicut)

4	Complier
Organization	NIT Calicut
Duration	July 2011 – November 2011
Description	A compiler for a Simple Integer Language (SIL). SIL included two basic data types Integer and Boolean, features like if, if-else, while, arrays and functions. Functions take any number of arguments and return a single value. Arguments can be passed by value or by reference. Function recursion is also implemented.
Role	Part of the 3 member development team.

Environment	C
Tools	Lex, Yacc

3	**Bulls N Bears**
Organization	NIT Calicut
Duration	September 2011 – October 2011
Description	This project delivered the website http://bullsnbears.tathva.org/. It was a stock market simulation game as part of Tathva 11. The virtual market was synchronized with the actual NIFTY market. The players could buy, sell, short sell and cover equities over a period of 1 month.
Role	Part of the 3 member development team.
Environment	HTML, PHP, CSS, MySQL
Tools	Adobe Photoshop

2	**Emart**
Organization	NIT Calicut
Duration	January 2011 – April 2011
Description	A simple Internet Shopping Platform. This project was done as part of DBMS course.
Role	Part of the 2 member development team.
Environment	HTML, PHP, CSS, PostgreSQL
Tools	Adobe Photoshop

1	**Library Management Software**
Organization	St. Antony's Public School and Junior College, Anakkal
Duration	August 2008 – November 2008
Description	A Library Management Software developed fully in C++. The database of the Software was implemented using the 'file' feature in C++. This project was done as part of Computer Science course of class XII.
Role	Developed the application.
Environment	C++

Workshops Attended:
- Workshop on Joomla-Content Management Systems, conducted by i3india Technologies
- Attended FOSS Meet 2010 at NIT Calicut.

Awards and Achievements:
- Was awarded the meritorious 0.1% certificate by AISSCE and AISSE for scoring 100 in Mathematics.
- Regional Topper in Computer Science in Sahodaya, Kottayam Region in AISSCE.

Extra Curricular Activities:
- Lab Administrator Software Systems Lab, NITC
- Vice Chairman of the Computer Society of India, NITC Chapter.
- Was elected the School Vice Captain of St. Antony's Public School, Anakkal in 2007-08
- Event Manager – BullsnBears at TATHVA 11

Interests:
Data Structures and Algorithms, Operating Systems