

BLESSON ANDREWS VARGHESE

Github : <http://github.com/blessonav>

Web : <http://people.cse.nitc.ac.in/blessonav>

Contact

Mob : 8547633569, 9496460569

Email : blessonvarghese20@gmail.com

Thundiyl House, SRA 54, Post Office
Lane, Nalanchira, Kerala-695015

Objective

Seeking career with an organization, which will permit me to use and contribute my abilities in software development and also to enhance my knowledge and contribute towards its growth by committed and high quality work.

Education

Year	Degree / Certificate	Institute / School	CGPA / %
2011-2015	B-Tech, CSE	National Institute of Technology, Calicut	7.62 (of 10)
2011	CBSE, Senior School Certificate / +2	Arya Central School Trivandrum	90.4%
2009	CBSE, Secondary School Certificate	Sarvodaya Central Vidyalaya, TVM	93.4%

Key Skills

Languages	C, C++, Python, Core JAVA, MIT-Scheme(LISP), NASM
Web Development	HTML, PHP
Frameworks	Rails
Databases	MySQL , Oracle 10g
Tools & Softwares	Mat lab , Texmaker, Microsoft Office, Flex, Bison, Wireshark, Openpuff, ClusalW2 , Genscan
Operating Systems	GNU/Linux, Windows(8, 7, Vista, XP), Android

Projects

Course Projects:

• Biological studies using Computer Programming (ClusalW2, Genscan)	S7 Monsoon Semester
• Network Security Analysis of IRCTC (Wireshark).	S7 Monsoon Semester
• SIL: A Simple Integer Language compiler as part of Compiler Lab (LEX/YACC).	S6 Winter Semester
• Scholari: A scholarship notifying Application (SRS and SDD)	S6 Winter Semester
• Designed a website to share and upload pictures (PHP)	S6 Winter Semester
• XOS: An Experimental Operating System for XSM(SPL/APL)	S5 Monsoon Semester
• Halftone Visual Cryptography (Implementation of Floyd-Steinberg Algorithm)	S5 Monsoon Semester
• Employee Database for a Company (SQL)	S5 Monsoon Semester
• Study of B and B+ trees	S5 Monsoon Semester
• E-Bank: A banking Application (C++).	Class XII
• E-shopper: A book shopping Application (Core JAVA).	Class XII
• Telephone Billing System(C++)	Class XI
• Designed a website displaying information about yourself(HTML)	Class X

Internship

May, 2013 – Jul, 2013

Role	Summer Student
Aim	Study of Differential Equations- Theory, Computation and Applications
Details	Underwent Summer Internship Program of IIT Bombay, NPDE-TCA under Prof. Sabu, IIST-TVM. Implemented the theme studying while working under a project. Studied Several Partial Differential Equations and their interesting properties
Technologies Used	Mat lab, Texmaker

Internship

Aug, 2014 – Jul, 2015

Role	Android Developer
Aim	Create an Android Application that reduce communication gap in the society
Details	All IT companies are required to giveback a small share of their profit back to the society. Most of the IT companies achieve this through donations, conducting seminars. But only a very few

portion of what they gave back really reach the needy. Most of the organizations who receive funds may not even need it. Those who are really needy may not have means to communicate with these officials and get some help from them because of communication gap existing in the society. I intend to create an application that helps poor to directly communicate with the IT officials and share their needs without a middle man.

Technologies Used Eclipse , ADT Bundle

B-Tech Project

2014-2015

Role Developer

Aim Cache contention aware scheduler for simultaneous multithreaded multi-core system (Linux).

Details Improve the O(1) default scheduler of Linux by making it aware of Cache contention. We achieve this through analyzing the miss rates when two cores share same lower level cache. We schedule processes with least miss rates together.

Technologies Used C

Certifications / Workshops

Certificate course in JAVA	G-TEC Computer Education	Certification No.: 22682
Advanced Ethical Hacking	Kyrion Digital Securities	Tech-Fest : Tathva'13
Cloud Computing Workshop	Green Add+	Tech-Fest : Tathva'12

Scholastic Achievements

- Won second prize in CODEX(Coding competition) conducted in the college (2012)
- First prize in District level in All India Mathematical Olympiad (2007)
- Reached Final Round of AKS(Abdul Kalam Scholarship)
- Individual scholarships in Elocution, Essay writing, Drawing and painting in school level.

Extra-Curricular Activities

- Active Member Of IT Club, Club Mathematica, Eco Club etc
- Campus ambassador of Naukri.com, Tallenge etc
- Student Volunteer under PRISM project, an initiative of government of Kerala with the help of IIM-K
- Subject Matter Expert at Vyom India
- Blogging
- Coding Competitions

Interests and Hobbies

Interest Computer Security, DBMS ,Compilers , Algorithms

Hobbies Reading(Short stories, Fiction), Solving Sudoku, Chess, Badminton

Strength and Weaknesses

Strength Organizing skills, Self-confidence, Hard working, Punctual, Sincere, Team player

Weaknesses Talkative, Perfectionist

References

- Dr. Amiya Kumar Pani, Department of Mathematics, I.I.T Bombay (akp@math.iitb.ac.in)
- Dr. N. Sabu, , Department of Mathematics, IIST Trivandrum (sabu@iist.ac.in)
- Ravindra Mourya , HS5 Global Solutions, Bangalore(ravindra@h5.gs)

Declaration

I hereby declare that all the details furnished above are true to the best of my knowledge and belief.

Calicut
26-5-2015

Blesson Andrews Varghese