



EDUCATION

| PROGRAM | INSTITUTION | %/CGPA | COMPLETION |
|--|---------------------------|--------|------------|
| B-Tech in Computer Science & Engineering and Minor in Management Studies | IIT Madras, Chennai | 7.2 | 2015 |
| Class XII | HMYHSS Manjeri, Kerala | 95.2% | 2010 |
| Class X | CHMHS Pookolathur, Kerala | 10.0 | 2008 |

PROFESSIONAL EXPERIENCE

- Internship at Apigee Technologies, Bangalore** Summer 2014
Automated generation of SDK functions (specifically Android SDK) from given WADL description of a REST API (*API Model*) using the *Apigee Edge* platform and the open-source project *Apache CXF*.
- Internship at Mobility Frames Pvt. Ltd., Mumbai** Summer 2013
Worked at the Mobile Applications Development division. Contributed towards the development of a broadcasting application for a university.

PROJECTS

- Implementation of Scheduling Algorithm for BOSSMOOL** Spring 2015
(*B-Tech Project under Prof. D Janakiram, IIT Madras*)
Implemented Scheduling Algorithm for BOSSMOOL - Minimalistic Object Oriented Linux (MOOL), a project aims at redesigning the existing linux kernel with minimal set of core OO components.
- Developed 'Greedy Man' Game** Spring 2014
A cross platform game using the open-source library libGDX.
- Detection of Tampered Videos** Spring 2014
Implemented video forgery detection using the correlation of noise residue. It reports whether a given video contain evidence of tampering, like duplication frames.
- Spell Checker** Winter 2014
Developed a context sensitive spell checker by applying the NLP concepts like edit distance, part of speech tagging, collocations etc.

SKILLS

- Programming and Tools : C, C++, Java, HTML, CSS, PHP, MySQL, JavaScript, Python, OpenGL
- Applications and Tools : Eclipse, PhoneGap, Android Studio, Matlab, AutoCAD, Django

SCHOLASTIC ACHIEVEMENTS

- Merit Scholarship* by Balmer Lawrie & Co. Ltd. for entrance excellence.
- M Gopalan IPS Memorial Award* by the Government of Kerala for topping in board exams.
- Merit Scholarship* by the Government of Kerala for outstanding performance in 10th board exams.
- Secured *A+ Grade*, awarded to the top 10 candidates, in *Maths Talent Search Examination '08*.

RELEVANT COURSES AND LABS

- Data Structures and Algorithms
- Cloud Computing
- Natural Language Processing
- Digital Video Processing
- Introduction to Database Systems
- Computer System Design[#]
- Basic Graph Theory
- Computer Networks[#]
- Computer Organization[#]
- Operating Systems[#]
- Language Translators[#]
- Principles of Software Engineering[#]
- Advanced Programming Lab (in C++)
- Probability and Stochastic Process

[#]These courses had separate labs.

POSITIONS OF RESPONSIBILITY

- **Web Operations Head, Tensors 2014** (Mock JEE Test)
Developed the main website (www.tensors.in), application portal and results portal for Tensors.
- **Concepts & Design Coordinator, Saarang 2013** (Annual cultural festival of IIT Madras)
Designed Saarang Website, Sponsorship Brochures, and contributed towards many more.
- **Student Relations Coordinator, Shaastra 2013** (Annual technical festival of IIT Madras)
I was the official representative of Shaastra for Kerala region. Conducted *Shaastra Junior Quiz*, a quiz competition for the school students, for 450+ students from various parts of Kerala.
- **Secretary, HMY Alumni Forum** (Alumni association of HMYHSS Manjeri)

CO-CURRICULAR ACTIVITIES

- Designed and developed **HMYHSS Manjeri Website** (www.hmyhss.in) with most modern techniques. It was my sweet give back to my alma-mater, HMYHSS Manjeri.
- Designed and developed **Alakananda Hostel Website** (www.alakananda.in) which has online feedback, complaint form, live feeds and more.
- Developed an Android application for **Yahoo! Hack U 2013** using Google Map API. Application gave suggestions (places to visit, clubs nearby and more) to the user based on his/her interests.
- Developed a demo application for **Microsoft Code.Fun.Do 2014** using the *Microsoft Kinect* to detect suspicious activities in an ATM counter.
- Devised **Digital Speedometer** for Cycle with very good precision using IR sensor modules.

EXTRA-CURRICULAR ACTIVITIES

- Part of Hostel Badminton team and represented hostel for several events.
- **National Service Scheme (NSS) Projects**
 - **Computer Learning Kit** (www.computerlearningkit.wordpress.com) July 2014 - April 2015
 - Headed a team of 18 NSS volunteers.
 - Project aimed to make a set of video modules which enables the students learn the basics of computer programming themselves.
 - Held a three day camp in a rural school in Malappuram (Kerala) during semester break.
 - **Science Teaching Kit** July 2012 - April 2013
 - Headed a team of 16 NSS volunteers.
 - The project aimed to teach science to the under privileged children in the society.
 - Held camps in rural schools in Calicut (Kerala) and Chennai (Tamilnadu) during semester breaks and inspired under-privileged children to pursue higher education.