



Anoop V

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OVERVIEW

ICT/IT Expert and M.Tech post - graduate in Information Security having 4 years of cumulative experience in web domain, mobile platform, embedded platform in IT industry.

WORK EXPERIENCE

Smart City Thiruvananthapuram Limited August 2017 — Present

IT Expert

Responsibility: In - charge of ICT/ IT Smart Solution Projects of Smart City Thiruvananthapuram Ltd.

Corporation Of Thiruvananthapuram, Govt of Kerala 6th October 2016 — 31st August 2017

IT Expert Project Fellow

Responsibilities:

- Management of Private Consultant team - IDeCK for the preparation of Smart City Project proposal.
- Creating Information & Communication Technology based solutions for the Project Proposal.
- Coordinating the works done by C- Dit for website development and Thought Ripples for android App developments.
- Conducting stakeholder consultation meetings with Scientist from CDAC, R&D project leads and experts from IT sector, Energy sector and Transport sector for the project proposal.
- Developed WebApp a Web based solution for the efficient classification and identification of requirements, issues and suggestions through citizen engagement.
- Organized various citizen engagement and citizen participation programs which include voting through Electronic Voting Machines.

SunTec Business Solutions Pvt Ltd 29 April 2013 — 30 October 2013
Consultant J2EE Developer

Project :

- Comcast

Role :

- J2EE developer.

Responsibilities:

- Development of modules for web based enterprise billing application.
- Eclipse IDE with J2EE , Struts frameworks used.
- Implementation of customer self-care features, end to end billing solution, comprehensive management reporting system.
- Issue fixing and unit testing for each modules which is been developed.
- Integration and building of various modules within the development team for deployment.

C-Dit

Matlab Trainee

Project 1: Vehicle Counting.

Role : Project Trainee.

Responsibilities:

- Implementation of vehicle tracking and counting algorithms using Digital Image Processing based on various IEEE transaction and publications.
 - Object detection, edge detection, frame differentiation and kalman filter used.
 - Optimizing and tweaking the algorithm to increase the robustness as well as to mitigate the error.
 - Building and deployment of the project within the stipulated time period.
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Project 2 : DIP based Brain Tumor detection in MRI

Role : Project Trainee.

Responsibilities:

- Analysing and Implementation of Digital Image Processing algorithms for detecting brain tumors.
- Classification of healthy brain done by preprocessing, image segmentation, feature extraction, image classification using neural network techniques and ROI method.
- Optimising the algorithm and deployment withing the stipulated time period.

Zyspace Innovations

December 2011 — January 2013

Android Developer

Project 1 : Freewa

Role : Android Application developer.

Responsibilities:

- Coordinating the development team.
- Designing and implementation of project. using Android SDK and Eclipse IDE.
- Call white listing application based on iTelephony API and SQLite Db.
- Location detection functionality implemented without internet and GPS using Cellphone Triangulation method.

PROJECTS ACCOMPLISHED

1. Andador - **Communication Server and front end UI stack for Social Communication.**
2. Freewa - **Android App for Telephonic Content Management**
3. Vo'comotive - **Vehicle Automation**
4. Realizing Proxy Re-encryption in the Symmetric World - **Cryptography**
5. Lossless Data hiding scheme based on LSB matching - **Cryptography**
6. Image processing on - Vehicle counting, object detection, Road lane detection - **Automated Driving Assistance - Image Processing.**
7. **Content Management and E- Commerce websites** - iccc.cet.ac.in, achayansfishonline.com, saakfishonline.com, velectro.co.in, rckfoods.com
8. Authentication and Encryption mechanism in IOT - **Cryptography**

EDUCATION

M.Tech

2014 — 2016

CET Trivandrum

Semester 1 : 7.6

Semester 2 : 8.3

Semester 3 : 7.9

Semester 4 : 9.0

CGPA : 8.14

Thesis/Project :

- A novel method for implementing Security in Internet Of Things (IOT).
Technology used:
 - ◦ ■ Contiki OS.
 - Cooja Simulator.
 - HTML, CSS, JS,PHP, MySql, ,

Seminar Conducted :

- Non-Interactive Key Establishment for Bundle Security Protocol of Space DTNs.
- FireDroid : Hardening Security in Almost Stock Android.

B. Tech

2008 — 2012

Government Engineering College,Barton Hill

Percentage/CGPA : 6.4

Project :

- Andador - Intranet Management and Communication Application using Android.
Tools used :
 - ◦ ■ Android 2.3 OS emulator
 - Android SDK.
 - Eclipse IDE, .

Seminar Conducted :

- Energy Efficiency Resource Standard and its Prototype-Little Rock.

Higher Secondary

2006 — 2008

ST Mary's Pattom

Percentage/CGPA : 85.6

Board : Kerala HSE

High School

2005 — 2006

ARR Public School

Percentage/CGPA : 76.8

Board : CBSE

**SKILLS &
ACHIEVEMENTS**

- SEMINAR
 1. EERS and its Prototype-Little Rock.
 2. Non-Interactive Key Establishment for Bundle Security Protocol of Space DTNs.
 3. FireDroid : Hardening Security in Almost Stock Android.

IT SKILLS

- PROGRAMMING LANGUAGES -
 - JAVA, C, C++, JAVA for Android.
- WEB -
 - PHP - wordpress,drupal, OpenCart, JSP, JS, CSS, HTML
- Embedded
 - C/C++ for avr Arduino

- DATABASE-
 - MySQL

INTERESTS

- Research ,Programming, Teaching

HOBBIES

- Photography, Playing Guitar and tabala, Listening music, Travelling,

PERSONAL TRAITS

- Innovative, Self Learning, Hardworking, Confident, Motivating, Leadership, Enthusiastic, Organizer.

REFERENCES

1.
Prof. Balu John
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2.
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