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NIDHIN P DEVAN

Blog: <http://nidhinpd.blogspot.in/>

Code Repo: <https://github.com/nidhinpdevan/>

----- Education

2009-2013 B- Tech in Computer Science and Engineering,
Government Engineering College, Sreekrishnapuram
Palakkad (University of Calicut), 68%

2007-2009 Plus Two(Board of Higher Secondary Examination , Kerala), 90%

2006-2007 SSLC (Board of Examination, Kerala) ,95%

Completed the Google 's Python Class

Now doing an online course on “Programming Languages“ (www.coursera.org/course/proglang) from University of Washington.

----- **Technical Skills**

Basic Programming skills	: SML(basics),C, C++,Python
Operating Systems	: Linux , Windows
Database	: PostgreSQL, SQLite3, MongoDB
Version control	: Revision control with git
Web Technologies	: Javascript/HTML 5/jQuery ,Flask, Django

----- **Academic Projects and Seminars**

Mini Project : **Image processing and compression in python**

Image tool with common photo editing options using Python Imaging Library and image compression using huffman coding. The main aim of project is to make people aware about the vast variety of modules in python.

Main Project : **Bluetooth based ad-hoc network**

To create ad-hoc network by exploiting the master-slave switching technique in bluetooth devices and extend its range by editing the L2CAP layer in intermediate devices. This project tries to design protocols for forming connected scatternets and is demonstrated by simulations on mobile phones.

Seminar : **Design of efficient ternary-tree based group key agreement protocol**

Ternary tree based new technique to establish a contributory secure group key for dynamic groups. This technique instead of using two-party Diffie-Hellman technique, uses an existing three party key exchange technique called GDH.2 to establish a shared secret key between the participants.

----- Other Projects

Blog app using Flask

A blog app which can be used to write posts, view posts and additional option to comment on existing posts. There are three versions. First one using SQLite3 as database. Second version uses postgresql as database and third one is a funky version with additional login session security.

Blog post: <http://nidhinpd.blogspot.in/2013/11/blog-app-with-flask.html>

Github link: <https://github.com/nidhinpdevan/Blog-app-funky-version>

App link: <http://nidhinblogapp.herokuapp.com/>

<http://nidhinappflasktwo.herokuapp.com/>

Paint app using Flask/HTML5

This is a simple paint app i created using javascript in HTML5 canvas which provides tools like pencil, line, rectangle, circle, spray, brush, eraser etc. Flask is used as the web framework. Save option is provided which will store image data as JSON object. PostgreSQL database is used.

Blog post: <http://nidhinpd.blogspot.in/2013/11/paint-app-with-flask.html>

Github link: <https://github.com/nidhinpdevan/Paint-app-in-Flask>

App link: <http://paintappflask.herokuapp.com/>

Lisp Interpreter in javascript

An attempt to show how to implement a subset of the scheme dialect of Lisp using Javascript. To be exact it is a Javascript version of scheme interpreter written by Peter norvig in python.

Blog spot: http://nidhinpd.blogspot.in/2013/09/lisp-interpreter-what-is-lisp-lisp_21.html

Github link: <https://github.com/nidhinpdevan/Lisp-interpreter>

Paint App using Django/HTML5

A basic paint application using Javascript and HTML 5/canvas. Provides almost all basic paint functions. Web framework used is Django. The back end database is PostgreSQL.

Github link: <https://github.com/nidhinpdevan/Paint-app-in-Django>

-----Online Courses

Currently doing online courses on:

1. **“PROGRAMMING LANGUAGES”** at **coursera.org** from **University of Washington**.

Objective: Learn many of the concepts that underlie all programming languages. Develop a programming style known as functional programming and contrast it with object-oriented programming. Through experience writing programs and studying three different languages, learn the key issues in designing and using programming languages, such as modularity and the complementary benefits of static and dynamic typing.

<https://www.coursera.org/course/proglang>

----- **Extra- Curricular activities**

Active member in FOSS community at GEC Sreekrishnapuram ,
Palakkad

Event organizer of coding competition in INVENTO 2012 , a tech fest
organized by IEEE Student Branch.

PETA(People for Ethinic Treatment of Animals) activist.

----- **Declaration**

I do here by declare that at all the information furnished above are true, complete
and correct to the best of my knowledge and belief .

Place : KASARGOD

NIDHIN P DEVAN

Date : 14/12/2013