

Divay Prakash

**Programmer and
Web Developer**

Divay Prakash

divayprakash3@gmail.com

Skills

- Languages
 - Proficiency in : C/C++, Java, Python, Android, HTML, CSS, FXML, Java Swing, JavaFX, SQL, Shell scripting, AVR, ARM assembly, Markdown, LaTeX
 - Exposure to : JavaScript, R, Processing, Verilog HDL, NodeJS, AngularJS, Bootstrap, MDL
- Software packages and tools
 - Git, GitHub
 - Linux terminal, Windows cmd
 - VMWare
 - MySQL
 - Wordpress
 - Eagle, Xilinx ISE, Fritzig, Adept
 - Microsoft Office (Word, PowerPoint, Excel, Access)
- Compilers/IDE
 - gcc/g++, gdb, CodeBlocks, TurboC
 - IntelliJ IDEA, Eclipse, BlueJ
 - PyCharm, IDLE
 - Android Studio
 - Arduino IDE
 - ARMSim
- Platforms
 - Ubuntu Linux
 - Windows

Education

**Indraprastha Institute of Information Technology (IIIT Delhi)/
BTech (CSE) Computer Science and Engineering**

JULY 2014 - PRESENT, NEW DELHI

First year result : CGPA - 7.63/10.0

The Mother's International School / Class 12

MARCH 2013 - MARCH 2014, NEW DELHI

CBSE : 92.6%

The Mother's International School / Class 10

MARCH 2011 - MARCH 2012, NEW DELHI

CBSE : GPA - 10.0/10.0

Experience

Coursera / Mentor

MAY 2016 - PRESENT

Mentor for 'Front-End Web UI Frameworks and Tools' course offered by HKUSTx on Coursera

Indraprastha Institute of Information Technology / Engineering Intern

MAY 2016 - JULY 2016, NEW DELHI

Implemented a building management system for use in IIIT Delhi buildings constructed in Phase II – consisting of Arduino microcontroller devices with an interface board of sensors and ESP devices, Raspberry Pi sub-server devices and a central server

Udyam Trust / Teaching Volunteer

MAY 2015 - JUNE 2015, NEW DELHI

Taught mathematics, computer science and general science to middle and secondary school students

The Mother's International School / Teaching Volunteer

MAY 2013, NEW DELHI

Taught mathematics, english and hindi to primary school students

Projects at IIIT-Delhi

BTech Project - Building Management System

AUGUST 2016 – NOVEMBER 2016

GUIDE - PROF. HEMANT KUMAR

Designed and implemented sub-server units running on Raspberry Pi devices and central server running Django for all IoT devices under the BMS project

Summafy

FEBRUARY 2017 – APRIL 2017

GUIDE - DR. PONNURANGAM KUMARAGURU

Ground up re-design of the existing IIITD ERP website using HCI methodologies like contextual inquiry, prototyping, low-fidelity design, user testing and hi-fidelity design followed by implementation of a front-end website demo

NPTEL Online Certification

APRIL 2017

GUIDE - DR. PONNURANGAM KUMARAGURU

Re-design of the existing NPTEL online certification website using HCI methodologies of contextual inquiry and rapid prototyping to create a high fidelity design and implementation of a front-end website demo

Silencio

AUGUST 2016 – NOVEMBER 2016

GUIDE - DR. PUSHPENDRA SINGH

Designed and implemented a noise level detection, indication, logging and mapping application on Android platform, utilizing a custom Django server as backend

Shark – SHARing Keys

AUGUST 2016 – NOVEMBER 2016

GUIDE - DR. PONNURANGAM KUMARAGURU

Designed and implemented an Android application for sharing PGP keys using QR codes, along with signing to build Web of Trust, utilizing a custom MEAN stack server as backend

Programmer Hub

MARCH 2016 – APRIL 2016

GUIDE - DR. PONNURANGAM KUMARAGURU

Designed and built a static website using Bootstrap and Bower, using various technologies and tools such as HTML5 Boilerplate, robots and humans text files, sitemap, Google site verification for SEO, YSlow for optimisation, Codeclimate for static code analysis

Art Gallery DBMS

MARCH 2016 – APRIL 2016

GUIDE - DR. VIKRAM GOYAL

Designed and implemented a DBMS system to manage an art gallery using MySQL, JDBC, Java and JavaFX

PhD Admission Portal

OCTOBER 2015 – NOVEMBER 2015

GUIDE - DR. CHETAN ARORA

Implemented a mock PhD admission portal using Java, JavaFX and socket programming

Handsfree Mouse

JANUARY 2015 – APRIL 2015

GUIDE - DR. ALEXANDER FELL

Created a gesture recognition computer mouse using an ADXL345 accelerometer module and an Arduino Leonardo

Parking Sensor

AUGUST 2014 – SEPTEMBER 2014

GUIDE - DR. JYOTI SINHA

Created a parking sensor using an ultrasonic distance sensor and an Arduino Uno

Scholastic Achievements

Junior Science Talent Search (JSTS) Scholar

DIRECTORATE OF EDUCATION, GOVERNMENT OF NCT OF DELHI - 2010

Gold medallist

NATIONAL MATHEMATICS OLYMPIAD - 2010

National Talent Search Examination (NTSE) Scholar

NATIONAL COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING - 2009

AIR (All India Rank) - 80

NATIONAL CYBER OLYMPIAD - 2009

Interests

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- Contributing to open source development
 - Programming, software and web development
 - Gadgets and technology
 - Sports : Football and Badminton
 - Music : Guitar and Drums

Languages

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- English
 - Hindi

Personal Profile

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- Gender : Male
 - DOB : 29th November 1995
 - Age : 21 years