# Shubham Mathur

An independent and self-motivated engineer with exceptional ability to learn and adapt to new environment quickly.

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www.github.com/googleknight



www.shubhammathur.me

# .me 🔲

# **Education**

07/2014 - Present 9.04/10

# B. Tech in Information Technology, Junior Year

VIT University, Vellore

2012 - 2013 91.2%

# **High School**

Mayoor School, Ajmer (CBSE)

2010 - 2011 9.6/10

# Secondary School

Mayoor School, Ajmer (CBSE)

# **Work Experience**

06/2016 - 06/2016

Dehradun

## **Summer Intern**

Oil and Natural Gas Corporation Limited (ONGC)

#### Tasks

 Successfully developed a 3D modelling program from scratch which read coordinates from a file and model oil/gas wells.

### **Publication**

An Efficient Spatial Domain based Image Watermarking using Shell Based Pixel Selection International Conference on Computing, Communications and Informatics (ICACCI)indexed in IEEE Xplore

 Implemented a new algorithm in spatial domain which had 75% more capacity then traditional method.

# Tools/IDEs

#### Microsoft Visual Studio

Project Development in C++ also used COIN 3D, SOWIN Libraries; basic C#, .ASP development, GUI development using C++

#### **Eclipse**

Image processing in java, Project Development, Socket Programming, GUI development using windows builder, Android app development

# **PyCharm**

GUI development using PyQt, scrapping and crawling using Selenium, BeautifulSoup, UrlLib and Project Development

## **Netbeans IDE**

Web Development

#### Keil uVision

ASM and embedded C programs in 8051

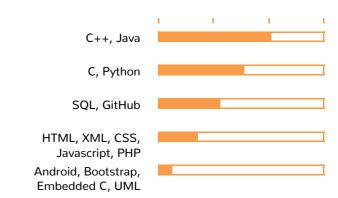
#### **Android Studio**

Android app development

#### Adobe Photoshop

Image manipulations, creation

## Skills



# **Projects**

## Well Projections

 It is a 3D modelling program developed completely in C++ using COIN3D,SOWIN API which reads coordinates from a file and model oil/gas wells in 3D.

### Fragile Watermarking

 Invisible Digital Image Watermarking in spatial domain using LSB bit manipulation. It is capable to do watermark embedding, extraction and comparison

#### Value Time

A chrome extension which is a web page which replaces new tab.
It displays time remaining in the day, so as to keep one motivated to complete his goal

#### Leet Submission Scrapper

 It finds accepted submissions on leetcode and saves them in their respective files. It formats those files using astyle and generates index file.

# **Achievements**

Selected for prestigious Microsoft Campus Connect Program (03/2016)

Got selected from over 700+ students in Microsoft campus connect program.

Got selected for prestigious LNMIIT undergraduate summer internship program (05/2016)

Currently ranks in top 15% of 261 students of my branch.

# Languages

English Hindi

Expert Native or Bilingual

## **Interests**

Contributing in Open source Community | Reading | Travelling