




Shubham Mathur

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

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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 than 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

C++, Java



C, Python



SQL, GitHub



HTML, XML, CSS,
Javascript, PHP



Android, Bootstrap,
Embedded C, UML



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 Scraper

- 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
Expert

Hindi
Native or Bilingual

Interests

Contributing in Open source Community | Reading | Travelling