Shubham Mathur

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Education

Vellore Institute of Technology	*Vellore, India*
B.Tech in Information Technology (CGPA 9.02/10)	*2014 - PRESENT*
Mayoor School (CBSE)	*Ajmer, India*
High School (91.2%)	*2012 - 2013*
Mayoor School (CBSE)	*Ajmer, India*
Secondary School (CGPA 9.6/10)	*2010 - 2011*

Experience

Summer Intern	*Dehradun, India*
Oil and Natural Gas Corporation Limited	*June 2016*

- Developed a software in C++ using COIN3D, SOWIN API for three dimensional visualizations of oil and gas wells.
- User can enter the data file and the software will present the visualization of the corresponding drilling well.

Publications

Static Load Balancing Using ASA Max-Min Algorithm	*IJRASET*
Shubham Mathur , Ali Abbas Larji, Anubhav Goyal	*Volume 5, Issue VI, June 2017*

Developed a new algorithm by optimizing Max-Min load balancing algorithm to generate an overall better makespan of tasks.

An Efficient Spatial Domain based Image Watermarking using Shell Based Pixel Selection	*ICACCI-2016, IEEE*
Shubham Mathur, Akshay Dhingra, M Prabukumar, L Agilandeeswari, K Muralibabu	*November 2016*

Implemented a new algorithm in spatial domain to embed and extract a watermark which is more fragile, secure and have 75% more capacity then traditional method.

Projects

Movie Cataloger:A desktop application in Java to manage personal movie collection. It is capable of finding movies on local storage and retrieving their data from IMDb, graphically analyzing the data and batch copying the files.

Fragile Watermarking:Digital image watermarking in spatial domain using LSB bit manipulation. It is capable to do watermark embedding, extraction and comparison of images. Developed in Java.

Web Crawler and scrappers:Collection of python scripts written to crawl, scrap and save user's accepted submissions on HackerRank, LeetCode and on Campusinteraction, it scrapes data and generates sql table about the companies that visited VIT for recruiting 2017 passing batch students.

Value Time:A chrome extension which replaces the default new tab with a web-page, showing time remaining in the day, so as to keep one motivated to complete his goals and prevent him to waste any time.

Jaipur Bus Info:An android app to know bus stops, routes of local low floor government buses running in Jaipur city.

Technical Skills

- **Programming languages:** C++, Java, Python*
- **Web technologies:** HTML, CSS, Javascript, PHP*, Bootstrap*
- **Database management:** MySQL, SQLite
- **Miscellaneous :** Github, Android programming*
  * Elementary proficiency

Certifications

Microsoft Value Added Course in Campus Connect Program@VIT	February 2016 - April 2016
Android Application Development By TIFAC-CORE VIT University	January 2015 - April 2015

Languages

English, Hindi