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 program in C++ using COIN3D, SOWIN API for three dimensional visualizations of oil and gas wells.
- User can enter data file and program will present visualization of 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*

Generated an overall better makespan of tasks in Grid Computing by optimizing Max-Min load balancing algorithm.

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*

Embedded and extracted a watermark in images to detect forgery. The spatial domain algorithm developed is more fragile, secure and have 75% more capacity than traditional method.

Projects

Movie Cataloger:A desktop application in Java to manage personal movie collection. It finds movies on local storage and retrieves their data from IMDb. It supports categorization, graphical analysis and batch copying of movies.

Fragile Watermarking:Embedded and extracted watermark in images using LSB bit manipulation, compared images using PSNR, BER. The algorithms and complete GUI was developed in Java.

Web Crawler and scrappers:Collection of python scripts written which uses Selenium 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 to replace the default new tab with a web-page, showing time remaining in the day and motivational quotes, which keeps one motivated to complete their daily goals and prevent them 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 App Development*
  * Elementary proficiency

Certifications

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

Interests

Contributing in Open Source projects, Travelling, Reading, Watching Movies.