NIMISH KARAN

Course: B-TECH, Computer Science

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OBJECTIVE : : To align myself with the company's best interests, while working constantly to improve my own technical skills.

WORK EXPERIENCE :

Oodles Technologies Pvt. Ltd, Gurgaon   **sep-2015 to-present**

Assistant Consultant Development

- Working within a team of highly motivated software engineers to deliver complex solutions to specific technical problems. Deeply involved in the designing, implementing of software to support various client's products and services.
- Responsible for core backend technology development.
- Technologies : J2EE, Angular JS, MVC Architecture, Spring boot.

ACADEMIA :

- Graduated from **Institute of Engineering & Technology, Lucknow, CSE 2015 Batch with aggregate 72%.**
- Completed 12th from CBSE board with 82% in 2010.
- Completed 10th from CBSE board with 84% in 2008.

PROJECT DETAILS

MAJOR PROJECT B-TECH: **group size(3)** – **Technology : JAVA, Cloudsim, Netbeans**

- **Enhancing the security of RSA cryptosystem using randomized k factor in cloud computing.** Implementation of a cloud environment using cloudsim simulator which includes Time shared/Space shared virtual machine policies. RSAP is solved using an extra K factor which partition the encryption and decryption into two parts which makes it more impossible for the attacker to compute prime factorization hence increasing the security two folds

MINOR PROJECT :

- Implemented *Vigenere Cipher using Ceaser* Cipher to encrypt the plain text or the text file. Use letters frequencies to decrypt the Cipher text with unknown key
- Designed a *simulator using the WIN32 API* to implement the real controlling of traffic signals. Inter-process communication (Windows) is designed using the shared memory technique, also includes pipelining of processes, implemented in c language.
- Developed a basic *android application "Keydroid"* a wireless enabled keyboard, by using Socket programming in java.

TECHNICAL SKILS

- Programming languages & Paradigm: C/C++, JAVA 6(core), Python2.7(Elementary)
- Operating System : Linux(Ubuntu 14), Windows 7
- Web technology: HTML, AngularJS, Javascript
- Database : MySql, PostgresSql
- Source code Version control & Bug tracking tools : SVN , Git
- Tools : Eclipse IDE, Code Blocks, Android Sdk, Jenkins, Nginx
- Middleware : Apache, Tomcat

CERTIFICATES & POSITION OF RESPONSIBILITY

Completed several on-line courses on **coursera.org** and achieved statement of accomplishment

- **26'March2013–DESIGN AND ANALYSIS OF ALGORITHM PART1**

- **18'April2014** - **COMPUTER NETWORKS**

- 1**1'March2014– CRYPTOGRAPHY**

- CS50X**:** Introduction to Computer Science (Ongoing).

- Coordinator of **Quizzionaire (Quiz Event)** in the annual fest **ENCORE 2014**

AREA OF INTEREST

- Object Oriented Principles.

- Data Structures & Algorithms

- Operating System principles