TEJASWI SINGH

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EDUCATION:

- **The University of Texas at Arlington, USA August 2018** (Expected Graduation)
  Master of Science in Computer Science
- **Guru Gobind Singh Indraprastha University, India June 2012- June 2016**
  Bachelor of Technology in Computer Science (with a CPI of 69.7 – First Division)

SOFTWARE SKILLS:

- **Languages:** *Java (core), C/C++ (Mod), Html, Css, SQL.*
- **Platforms:** *Linux/Unix, Windows.*
- **Software Tools:** *Eclipse, NetBeans, GitHub, VMware, DevC++.*

INTERNSHIP:

- **Student Intern at Northern Railways, New Delhi, India (15 June -31st July 2015)**
✓ Successfully *created a Record Management System of faulty routers and modems using Html, Css and Php.*

- **Student Intern at Intigate Technologies, Noida, NCR, India (1st January -31st January 2015)**
✓ Successfully *created a Universal Database Integration System for the developers to have good experience when they are working on the back-end.*

- **Student Intern at Defense Research Development Organization, New Delhi, India (15 June -31 July 2014)**
✓ *Worked on implementing Particle Swarm Optimization Algorithm and its application in Travelling Salesman Problem based on Java(core).*

- **Student Intern at IQquest Technologies, New Delhi, India (15 June -15 August 2013)**
✓ *Successfully created a Institute Management System called ITAB using Java Database Connection. (Java)*

UNDERGRADUATE PROJECTS:

- *Implemented* **Particle Swarm Optimization Algorithm** *to solve Travelling Salesman Problem to find the shortest distance between two nodes while processing an image.*

- *Undertook a project entitled* **Java Image Steganography** *to hide information in any image file. The scope of the project was the implementation of steganography tools for hiding information that includes any type of information file and image files and the path where the user wants to save Image and extruded file.*

- *Undertook a project entitled* **Universal Database Integration System** *to create an industry-standard tool for application development so that developers can interact with any back end software (i.e. Oracle, SQL Server, MS-Access, My-SQL etc). The UDBI can be used to build, test, and debug PL/SQL packages, procedures and functions.*

- *Undertook a minor project entitled* **City Wide Wireless Network to** *develop a large scale network for a city zone which will provide internet access at every corner of the mentioned zone through wireless and wired communications. I did the simulation for 8 districts of the west zone of Delhi.*

- *Successfully created an* **Institute Management System** *called ITAB using* **Java Database Connection**. *(Java)*

- *Successfully created a* **Faulty Machine Record System** *called FRMS using* **HTML, CSS and PHP.**

- *Created a* **Windows Phone Application** *named* **TurboC for Windows 8** *that helps students to install Turboc software on windows 8 operating system which has already touched 810 download mark with roughly 2 app installs per day. Application Link: -*
  http://www.windowsphone.com/en-in/store/app/turboc/456c545c-2ddc-40b3-998f-dbf3d5fe457b

RESEARCH PAPERS:

- **REPLICATION OF ATTACKS IN A WIRELESS SENSOR NETWORK USING**
  Paper Link: -http://esatjournals.net/ijret/2015v04/i10/IJRET20150410052.pdf
  DOI: 10.15623/ijret.2015.0410052

- **DEVELOPING AN ACTUAL VERY HIGH FREQUENCY ANTENNA USING GENETIC ALGORITHMS**
  Paper Link: - http://esatjournals.net/ijret/2015v04/i11/IJRET20150411008.pdf
  DOI: 10.15623/ijret.2015.0411008

- **SOFTWARE CONTROL SYSTEMS FOR SMART ANTENNA**
  Paper Link: -http://esatjournals.net/ijret/2015v04/i11/IJRET20150411028.pdf
  DOI: 10.15623/ijret.2015.0411028

POSITIONS HELD:

- **IEEE GTBIT STUDENT BRANCH:**

  - **Programming Club head (August 2014 - August 2015):** *I was responsible for conducting coding events and to ensure quality coders from our programming club.*

  - **Web-Developer (August 2013 - August 2014):** *Designing and maintaining IEEE-GTBIT Student Branch's website.*

- **Guru Tegh Bahadur Institute of Technology:**

  - **Placement Coordinator (January - March 2015):** *I coordinated placements of students in my college campus.*

ACHIEVEMENTS:

- *Chosen to be an* **Intern at Defense Research Development Organization, Government of India.**

- *Chosen to be an* **Intern at Northern Railways, Government of India.**

- *Chosen to be* **Campus Ambassador** *at* **HackerRank** *in my college.*

- *Chosen to be* **Club Lead** *at* **Firefox Students Club** *in my college.*