

# MANISHA KUMARI

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## EDUCATION

B. Tech. (Information Technology)	2020	Delhi Technological University	GPA 8.20
RBSE (Class XII)	2015	Bhartiya School, Salasar	95.00 %
RBSE (Class X)	2013	Saraswati SSVM School, Salasar	85.83 %

## INTERNSHIP

Software Development Intern, **Bookscroll**, DTU-IIF, Delhi Nov 2018 – Dec 2018

- Worked at an early stage of a DTU IIF **incubated** and **government-funded** startup focussed on improving the education of school and college students
- Contributed to the development of a **responsive web platform** for college students using **Node.JS, SQL, HTML, CSS, JavaScript, and Bootstrap**

Summer Intern, **Defence Research & Development Organisation**, Delhi Jun 2018 – Jul 2018

- Worked under the **DESIDOC division** to provide essential science and technical research & development information rapidly, accurately and reliably to support **DRDO scientist's** needs
- Developed an efficient, user-friendly **Web application** for DRDO Publications to **login & register**, and **preview, download & order** the newsletters published by DRDO

## PROJECTS

**Replace That Card** - Augmented Reality Marketing Campaign

- Developed an **Augmented Reality** marketing solution for credit card companies where customers can **'Replace' competitors' cards**, and get a better deal by **real-time** card comparison in Augmented space

**Content Management System**

- Developed a **responsive web CMS** having features of login, registration & user profile and **admin controls** to add, translate, categorize, tag & view articles, videos & question/answers
- Developed an efficient, user-friendly system for **content curators** using **Node.JS, SQL, HTML, CSS, JavaScript and Bootstrap**

**Forensics - Image Manipulation using Pixels**

- Wrote **C++ programs** to access the pixels of an image (as RGB hexadecimal) and use them to **resize** the image and **copy** the image

**Game Development**

- Developed some exciting games in **C++**, including **Combat Simulator, Tic Tac Toe, and Inventory Simulator**, highlighting the use of various concepts of **OOP**

**Data Encryption**

- Created **C++ programs** to encrypt text using **Caesar's Cipher** and **Vigenere's Cipher**
- Analysed the security of both algorithms for storing data in encrypted format

**Game of Fifteen**

- Simulated the Game of Fifteen - a **puzzle** played on a **square 2D board** with numbered **tiles** that slide
- Created this interactive game in **C++** for an **NxN board**

## ACHIEVEMENTS AND AWARDS

- **Award of Excellence** : for **AIR 2830** and **district topper** in **JEE Main**
- **GARGI Puraskar** : for **excellent performance** in **10<sup>th</sup>** and **12<sup>th</sup>** **RBSE Board Examinations**
- **Certificate of achievement** by **District Administration** : **district topper** in **12<sup>th</sup>** **RBSE Board Examinations**
- **Talent Search scholar** : **Ranked 36** in **Rajasthan State Talent Search Examination**
- **Certificate of merit** by **Chief Minister Ashok Gehlot** for excellence in **10<sup>th</sup>** **RBSE Board Examinations**

## POSITIONS OF RESPONSIBILITY

- **Tech Head** : **ZAFFRAN**, the food blogging society of **DTU**
- **Public Relations Head** : **ENGIFEST '17**, Annual Cultural Fest of **DTU**