MANISHA KUMARI

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Delhi Technological University

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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 %

INTERNSHIPS

Backend 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**

Software Development 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

RESEARCH WORK

Chronic Disease Prognosis using Risk Factor Analysis   Aug 2019 – Dec 2019
- Performed a comparative study of **machine learning techniques** for prognosis of chronic diseases
- Developed an **interactive web application** to take user input using **chatbot**, predict disease risk using trained **machine learning models**, and provide **personalized suggestions** to reduce the risk

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
- **Certificate of achievement** by **District Administration : district topper** in 12th 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 10th 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