

Aman Garg

PERSONAL DATA

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ACADEMIC DETAILS

Current 2016-2020	B.Tech in Information Technology <i>Delhi Technological University</i> Cumulative GPA : 8.43/10.0
2016	HBSE Senior School Certificate Examination <i>Govt. Model Sr. Sec. School, Jind</i> Percentage : 94.40%
2014	CBSE Secondary School Examination <i>D.A.V. Centenary Public School, Jind</i> Cumulative GPA : 10.0/10.0

COURSES UNDERTAKEN

CURRICULUM: Programming Fundamentals, Engineering Mathematics, Applied Physics, Engineering Graphics
ONLINE COURSE: Introduction to Computer Science - CS50x (by Harvard University)

PROJECTS

SPRING 2017	JAB Gestor LINK Application to manage the immunization schedule of users and their family members including pets, showing due date for each vaccine. Created database architecture storing user login details and their family members' data. Developed REST APIs for seamless integration with android app.
FALL 2016	Stocks' Portfolio Management LINK Implemented a web platform to manage portfolios of stocks using HTML, CSS, JS, jQuery, PHP and MySQL . The users can check current stock prices as per Yahoo finance, register & login, buy & sell stocks, add cash to their finance account, and check their complete history of transactions.
FALL 2016	Forensics - Image Manipulation using Pixels LINK Wrote a C program to access the pixels of an image (as RGB hexadecimals) and use them to resize the image. Another program to copy an image using pixels.
FALL 2016	Game of Fifteen LINK Simulated the Game of Fifteen - a puzzle played on a square 2D board with numbered tiles that slide. Created this game in C for an NxN board.
FALL 2016	Data Encryption LINK Created C programs to encrypt text using Caesar's Cipher and Vigenere's Cipher . Also, analyzed the security of both algorithms for storing data in encrypted format.

FALL 2016	Web Server LINK Implemented web server to serve static content (html, jpg etc) and dynamic content (php). Parsed URL to get requested file-type and query parameters. Rendered the requested file and stored data-bytes in variables inside the memory .
FALL 2016	User Registration & Login Module LINK Developed a simple structure to provide smooth user registration and login, which can be used by any application. Implemented using PHP, SQL, jQuery and JSON Web Tokens .
FALL 2016	Pico's Space Game LINK Designed a space game using Scratch having 4 backdrops and 3 sprites , each having own scripts of code describing their behaviour according to user input/control. A separate set of scripts controls the sound played, score and lives of the player.

TECHNICAL SKILLS

PROGRAMMING LANGUAGES: C, Java, Python, PHP
 WEB TECHNOLOGIES: HTML5, CSS, JavaScript, SQL

AWARDS AND ACHIEVEMENTS

- **Master DAV** : Three times in 2007, 2008, 2010 - awarded to the student having **highest total percentage** of marks in the whole school
- **NTSE scholar** : scholarship program funded by the Government of India, 2014
- **Certificate of merit** awarded by CBSE for getting grade **A1** in **all 5** subjects, 2014
- **HSTSE scholar** : **Ranked 35** in Haryana State Talent Search Examination, 2014
- **Certificate of merit** by National Council of Educational Research and Training, 2014
- **Certificate of achievement** felicitated by District Administration for being
 - **district topper** in BSEH 12th science stream, 2016
 - **only candidate** in district selected for NTS Scholarship, 2015
 - **district topper** in National Level Science Talent Search Examination, 2013