

Aman Garg

PERSONAL DATA

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EDUCATION

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| CURRENT | Bachelor of Technology in INFORMATION TECHNOLOGY Delhi Technological University | GPA: 8.62 / 10.0 |
| MARCH 2016 | HBSE Senior School Certificate Examination Govt. Model Senior Secondary School, Jind | PERCENTAGE: 94.40% |
| MARCH 2014 | CBSE All India Secondary School Examination D.A.V. Centenary Public School, Jind | GPA: 10.0 / 10.0 |

COURSES UNDERTAKEN

CURRICULUM: Programming Fundamentals, Data Structures, Object Oriented Programming, Engineering Mathematics, Engineering Graphics, Applied Physics, Engineering Analysis & Design, Discrete Structures, Engineering Economics
ONLINE: Introduction to Computer Science - CS50x (by Harvard University)

TECHNICAL SKILLS

PROGRAMMING LANGUAGES: C, C++, Java, Python, PHP
WEB TECHNOLOGIES: HTML5, CSS, JavaScript, SQL, Node.JS

FEATURED PROJECT

Bookscroll

[| LINK](#)

- A platform for **college students** to **buy** and **sell** books and stationery among themselves
- Removes the commission of shopkeepers, thus **saving money** of both buyers and sellers
- Developed **responsive** platform using Node.JS, JavaScript, SQL, HTML5, CSS and Bootstrap

PROJECTS

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|-----------|--|------------------------|
| FALL 2017 | ScanBuddy A smart customer service web application with a smart chat-bot that fetches information and history of product directly from the database , thus providing a personalized and more satisfying experience to the user, while solving his problems during customer support. | LINK |
| FALL 2017 | Game Development Developed some exciting games in C++ including a Combat Simulator , Tic Tac Toe , a Shop and Inventory Simulator and ASCII roguelike , highlighting the use of various concepts of Object Oriented Programming . | LINK |
| FALL 2017 | Role of Engineers in Improving Life A project highlighting the role of Information Technology in improving the life of people in slums and the role of engineers in sustainable development . | LINK |

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| 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 , and developed REST APIs for seamless integration with android app. |
| FALL 2016 | Stocks' Portfolio Management LINK Implemented a web platform to manage stocks portfolio 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 account, and check complete transaction history . |
| 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. Also, 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. |
| FALL 2016 | Survey on Air Pollution & Traffic Frequency LINK Conducted an environment survey to know the contribution of different people to the quality of air in Delhi. Also calculated the traffic frequency of vehicles (categorized based on fuel type) to infer about the pollution level of each group of vehicles. |

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
- **Certificate of outstanding performance** awarded by BSEH for being in **top 0.1%** candidates in 12th board examinations, 2016