

Aman Garg

PERSONAL DATA

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EDUCATION

CURRENT	Bachelor of Technology in INFORMATION TECHNOLOGY Delhi Technological University	GPA: 8.86 / 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, Computer Architecture, Algorithm Design & Analysis, Database Management Systems, Operating Systems, Engineering Economics, Engineering Analysis & Design, Engineering Mathematics, Discrete Structures
ONLINE: Introduction to Computer Science - CS50x (by Harvard University)

TECHNICAL SKILLS

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

INTERNSHIP

GoParento Technology, Gurgaon SUMMER 2017

- Worked as a **full-stack** developer on admin panel and **Content Management System** of the website
- Developed an efficient, user-friendly system for content curators to **translate, edit, categorize** and **tag** the articles, questions and rhymes on the platform

FEATURED PROJECTS

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 NodeJS, JavaScript, SQL, HTML5, CSS and Bootstrap

Isolation | [LINK](#)

- An **interactive board game** in which players have to isolate each other by blocking the tiles
- Implemented it in **ReactJs** with horror-themed UI, sounds, offline play, online play via **Redis**, AI player and other cool features

PROJECTS

SPRING 2018	Tic Tac Toe Implemented Tic Tac Toe game using ReactJS with a cool User Interface. Players can even go back in time and start playing from that move.	 LINK
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
SPRING 2017	JAB Gestor 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.	 LINK
FALL 2016	Stocks' Portfolio Management 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 .	 LINK
FALL 2016	Forensics - Image Manipulation using Pixels 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.	 LINK
FALL 2016	Game of Fifteen 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.	 LINK
FALL 2016	Data Encryption 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.	 LINK
FALL 2016	Web Server 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 .	 LINK
FALL 2016	User Registration & Login Module 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 .	 LINK
FALL 2016	Pico's Space Game 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.	 LINK

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.
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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