

Aman Garg

PERSONAL DATA

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EDUCATION

CURRENT Bachelor of Technology in INFORMATION TECHNOLOGY
Delhi Technological University | GPA: 9.03 / 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, Node.JS, ReactJS

INTERNSHIP

Amazon Inc, Bangalore SUMMER 2019
- Developed **database & service accessors** to fetch static data, implemented **business logic** to generate custom data, created **aggregator & controller** to provide that data via **API** call
- Provided all information in a user-friendly **Vue UI** to aid in debugging of errors in **Rentals** services
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 Node.JS, 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

- SUMMER 2018 | **Replace That Card** (Augmented Reality Marketing Campaign) | [LINK](#)
Developed an **Augmented Reality** marketing solution for credit card companies where customers can 'Replace' **competitors' cards**, and get a better deal by **real-time** feature comparison.
- SPRING 2018 | **Tic Tac Toe** | [LINK](#)
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.
- FALL 2017 | **ScanBuddy** | [LINK](#)
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.
- FALL 2017 | **Game Development** | [LINK](#)
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**.
- FALL 2017 | **Role of Engineers in Improving Life** | [LINK](#)
A project highlighting the role of **Information Technology** in improving the life of people in **slums** and the role of **engineers in sustainable development**.
- 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 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 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.	 LINK

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