

# Curriculum Vitae

## Gaurav Walia

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Fluent in English, Hindi and Punjabi

Born November 19, 1998

### Career Objective

My primary objective is to learn, develop and solve the problems by making better and efficient Software and spread the knowledge of Quantum Computing through which we can solve the problems of new era.

### Technical Competency

Programming Languages	Professional expertise in <b>C</b> , <b>C++</b> , <b>Java</b> ; Also proficient in <b>Competitive Programming</b> ; have experience working with <b>HTML5</b> , <b>CSS3</b> , <b>JavaScript</b> and ; Familiar with JavaScript Run-Time Environment like <b>Node JS</b> .
Markup & Other Languages	Expertise in working with <b>JSON</b> and familiar with <b>XML</b> .
Databases	Oracle SQL & MongoDB.
Skill Set	Software Development in Java Algorithms & Data Structures Web Design & Development
Libraries, PreProcessors & Frameworks	Have expertise in working with libraries like <b>JQuery</b> and <b>Particles JS</b> & frameworks like <b>Express JS</b> . Also, have experience working with Preprocessors like <b>SCSS/SASS</b> .
Operating Systems	Prefer to work on <b>Linux</b> (Ubuntu Desktop) or Mac OS X. Also competent with windows, OS X and other Linux variants.
Scripting Languages	<b>Bash Scripting</b> .

## Academic Credentials

Year	Course	School / University	Percentage
20	Bachelor of Technology <b>Computer Science and Engineering</b>	Chitkara University, <i>Rajpura, Punjab, India;</i>	8.8 CGPA
2016	Class 12 <sup>th</sup> <b>CBSE – Physics, Chemistry &amp; Mathematics</b>	Police D.A.V Public School <i>Ambala City, Haryana, India</i>	89.8 %
2014	Class 10 <sup>th</sup> <b>CBSE</b>	Police D.A.V Public School <i>Ambala City, Haryana, India</i>	8.6 CGPA

## Notable Projects

### Algorithms and Data-Structures, Jan 2018 – Present

**Utility** This is the project which contains the Implementation, Complexities of different Algorithms and Data Structures in different languages including blogs. This is a community project where the beginners and programmers can learn and contribute to it.

**Technology** C, C++, JAVA, Python, Bash, JavaScript.

**My Role** Updated project structure and added newer programs in this project.

### TETRIS GAME, Sep 2018 - Present

**Utility** This project a CLI based Tetris Game built and designed using Object Oriented Principles. Currently I am working on this project to integrate with some other project and building new UI based application instead of Command Line Interface.

**Technology** JAVA, Bash and Power Shell.

**My Role** Developed this game with better CLI UI.

### CHAOS 2.0, October 2018

**Utility** It is a prototype of project made for Kerala Relief. It is a Web Application to do DeCentralised Transactions so that people can denote money in a more secure way. It a complete Block Chain Based Application in which users can mine a block, do transactions etc.

**Technology** JavaScript, Node JS, Express JS and Block Chain.

**My Role** Developed the application with Fellow Developer

### **RAINBOW**, Feb 2018 - Dec 2018

Utility	It is a library made for using different colors in LINUX and UNIX terminals. There is no need to remember color codes because you can use color names and get your favourite color on your terminal. Version 0.1 is released as a stable version.
Technology	C, C++, JAVA and Bash
My Role	Developed the whole library from scratch.

### **Treasure JS**, March 2019

Utility	It is a community based project for sourcing JavaScript Collections of materials found on web. It indexes all the libraries available in JavaScript at one place to remove. Also small projects related to this project are also in progress. Currently it is released with version 4.2.1.
Technology	JavaScript
My Role	Collected and Developed the entire project from scratch.

### **minfile**, April 2019

Utility	It is a loss less compression CLI program to decrease the file size. It compresses the code files and reduce the file size but the reduced file remained usable. Further improvements have planned for todo.
Technology	C, Bash, Power Shell
My Role	Developed the entire CLI program.

### **Some Other Projects:**

- **CU-Epams**, 2017  
It is abbreviated as "Chitkara University Event Promotion and Management System" i.e website for promoting and managing the events remotely. Some work is still going on this project.
- **Crypto Wallet**, 2018  
This project wallet concept based web application which is used for comparing Bit Coin rates with Ethereum Block chain and you can also get your current Bit Coin value in USD according to current rate.
- **T-P Cell**, 2018  
This project is for automating the Training and Placement Cell to reduce manual work load from collecting resumes to personalized emails. Only rough design is ready and other features will be added in future.
- **JS Calculator**, 2019  
Developed a Basic Calculator in JavaScript and Node JS. It can evaluate any expression containing operators like +, -, \*, % and /.
- **Programmer's Survey**, 2019  
A web application to take programmer's survey and analyse their data and get their likes and dislikes about various technology.

## Academic / Co-Curricular Achievements

- Lead a team of 2 named **“Fast track”** into the **“Round 1B”** – Competitive Round of **“Code Chef SnackDown 2019”**.
- Participated in **“Dev Fest 2018”**, Jalandhar.
- Lead the team of 2 in **“CHAOS 2.0 Hackathon”**.
- Lead the Projects team of 4 in **“OctaHacks Hackathon”**.
- Participated in **“CSI PUNJAB STATE CONVENTION”**.
- Bagged fourth position in **“NOVATE 2017”**
- Scored grade ‘A’ in **“Node JS Workshop”** conducted by College in 2017.

## Hobbies and Interests

- Reading newspaper like **“Indian Express”**.
- Participating in Competitive Programming Competitions like Google Code Jam.
- Speed Cubing - A speed cuber with a best of 1.37 minutes.
- Listening to music and occasionally jamming with my friends.

## Personal Details

Date Of Birth:	November 19, 1998
Language Proficiency:	English, Hindi and Punjabi
Marital Status:	Single
Nationality:	Indian