



## AMAN GUPTA

Course : **B.E. (Hons.)**, Computer Science, 2022

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CGPA : 6.76



COURSE	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	SCORE	YEAR
CLASS XII	Seth Anandram Jaipuria School	CBSE Board	94.2 %	2017
CLASS X	Seth Anandram Jaipuria School	CBSE Board	10 CGPA	2015

<b>Subjects / Electives</b>	Data Structure and Algorithms, Database Management Systems, Object Oriented Programming, Operating Systems, Computer Networks, Computer Architecture, Compiler Construction, Artificial Intelligence, Foundations of Data Science
<b>Technical Proficiency</b>	Data Structures, Algorithms, C++ Language, JavaScript, Node.js, SQL Programming, Front-End Web Development, Flutter

SUMMER INTERNSHIP / WORK EXPERIENCE	
<b>Software Development Engineer, Sply Services Pvt Ltd</b> <i>App-based micro-savings and investment platform for individuals and enterprises.</i> <ul style="list-style-type: none"> <li>Documented <b>50+ APIs</b> of the existing codebase using <b>Swagger.io</b> to boost collaborations with multiple partners.</li> <li>Responsible for designing, developing, and testing backend architecture using <b>Node.js</b> and <b>Golang</b> for partner integration .</li> <li>Built a web-app using <b>Flutter</b> which enhanced the consumer experience by providing them with more alternates to invest in.</li> <li>Built relevant <b>pages, models, widgets</b> to extend Sply's web app with the ability to buy and sell gold from a different vendor.</li> <li>Acquired experience with <b>Serverless, AWS Lambda, S3</b> and Flutter state management using <b>BLoC</b> libraries.</li> </ul>	Jul 2021 - Dec 2021
<b>Web Application Developer, IIFL Indo infoline</b> <ul style="list-style-type: none"> <li>Designed a dashboard for a fully-functional trading and investment web-app using <b>Node.js</b> and <b>React.js</b>.</li> <li>Implemented features like real-time trade execution, live market directory representation and trade report automation by using 5paisa's publicly exposed API.</li> </ul>	May 2020 - Jun 2020

PROJECTS	
<b>Interpreter for 2048 game - Compiler Construction - Software Engineering</b> <ul style="list-style-type: none"> <li>Created an interpreter with advanced error handling using <b>YACC</b> and <b>Lex</b> with Regular Expressions.</li> <li>Implemented a <b>user-playable 2048 game</b> with advanced functionalities such as move selection based on look-ahead scores. <a href="#">Github Link</a></li> </ul>	Jan 2021 - May 2021
<b>Genetic Algorithm based Problem Solver - Artificial Intelligence</b> <ul style="list-style-type: none"> <li>Implemented AI solver for <b>8-Queens</b> problem and <b>Travelling Salesman</b> problem by implementing genetic algorithm in Python.</li> <li>Improved the conventional genetic algorithm solution by tweaking hyperparameters and introducing hybrid approaches. <a href="#">Github Link</a></li> </ul>	Feb 2021 - Mar 2021
<b>Pinterest (Travel Map Pin) - Web Development</b> <ul style="list-style-type: none"> <li>Full-stack map pinning travel app using <b>Node.js, Express, MongoDB</b> for backend and <b>React hooks, Mapbox</b> for frontend.</li> <li>In this application, a user can pin any location and share reviews with other users. <a href="#">Github Link</a></li> </ul>	Dec 2021 - Dec 2021
<b>Personal Portfolio Website - Web Development</b> <ul style="list-style-type: none"> <li>Designed and developed responsive personal portfolio website using <b>HTML, CSS, JavaScript</b> and <b>Swiper.js</b>.</li> <li>Light and dark modes have also been implemented to improve user experience. Deployed using <b>Netlify</b>. <a href="#">Github</a>   <a href="#">Netlify Link</a></li> </ul>	Dec 2021 - Dec 2021
<b>Simon Game - Front-end Web Development</b> <ul style="list-style-type: none"> <li>It is a sequence remembering game made using <b>HTML, CSS</b> and <b>JavaScript</b>.</li> <li>The level increases as long as the player remembers and inputs the sequence.</li> <li>Published using github pages. <a href="#">Github Link</a></li> </ul>	Jun 2020 - Jul 2020

SCHOLARSHIPS	
<b>Special Scholarship for PS1   Practice School-1   BITS Industry Internship Program</b> Received Scholarship for exceptional performance in Practice School-1, the BITS Industry Internship Program	Jul 2020

VOLUNTEER EXPERIENCE	
<b>Alumni Relations Cell</b> - Role: Core Member   Cause: Education <ul style="list-style-type: none"> <li>Managed the Convocation Event for the graduating batch of 2018 with a team of <b>50+</b> volunteers.</li> <li>Administered the crew team consisting of <b>10+</b> members to organize the <b>BITSAA Global Meet for 1100 Alumni</b>.</li> </ul>	Aug 2018 - Aug 2020