

# Gaurav Shetty

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## EDUCATION

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<b>The Frank Anthony Public school</b> <i>1-10</i>	Bangalore, India <i>2008-2020</i>
<b>Sri Chaitanya College of Education</b> <i>PCMB (11-12)</i>	Bangalore, India <i>2020-2022</i>
<b>Dayananda Sagar University</b> <i>B.Tech</i>	Bangalore, India <i>2022-2026</i>

## EXPERIENCES

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<b>Bharat Intern — Web developer</b> <i>remote</i>	OCT 2023 - NOV 2023
<ul style="list-style-type: none"><li>• Technical Skills: Developed proficiency in HTML, CSS, and JavaScript.</li><li>• Hands-on Experience: Applied web development concepts to real-world projects.</li><li>• Problem-Solving: Honed problem-solving skills through coding challenges.</li></ul>	

## PROJECTS

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<b>Slot machine</b>   <i>Python</i>	<a href="#">link</a>
<ul style="list-style-type: none"><li>• Developed a slot machine game in Python using object-oriented programming principles.</li><li>• Implemented functionalities including depositing funds, placing bets, spinning the slot machine, and calculating winnings.</li><li>• Utilized randomization for generating slot machine outcomes and designed algorithms to check for winning combinations.</li><li>• Incorporated user input validation to ensure smooth gameplay experience.</li><li>• Demonstrated proficiency in Python programming and problem-solving skills through the completion of this project.</li></ul>	
<b>Space invaders game</b>   <i>Html, CSS, JavaScript</i>	<a href="#">link</a>
<ul style="list-style-type: none"><li>• Developed a Space Invaders game using HTML, CSS, and JavaScript, replicating the classic arcade experience.</li><li>• Implemented core game mechanics including player-controlled spaceship, alien movement patterns, bullet firing, scoring, and game-over detection.</li><li>• Designed visually appealing game elements and animations with CSS to capture the retro feel of the original Space Invaders.</li><li>• Programmed challenging gameplay dynamics with progressively increasing difficulty levels to engage players.</li><li>• Conducted thorough testing and debugging to ensure cross-browser compatibility and smooth gameplay experience.</li><li>• Created documentation outlining project objectives, features, and implementation details.</li><li>• Demonstrated proficiency in front-end web development and game design principles.</li></ul>	
<b>Flappy bird clone</b>   <i>Html, CSS, JavaScript</i>	<a href="#">link</a>
<ul style="list-style-type: none"><li>• Developed a Flappy Bird game using HTML, CSS, and JavaScript, providing an immersive gaming experience.</li><li>• Implemented essential game features including bird movement, obstacle generation, scoring, and game-over detection.</li><li>• Designed visually appealing game elements and background using CSS to enhance the gaming environment.</li><li>• Utilized JavaScript for dynamic gameplay mechanics such as bird physics, obstacle movement, and collision detection.</li><li>• Conducted thorough testing to ensure smooth gameplay and cross-browser compatibility.</li><li>• Demonstrated proficiency in front-end web development and game design principles through project execution.</li><li>• Created clear documentation outlining project objectives, features, and implementation details.</li></ul>	

- Developed a Text-to-Speech converter using HTML, CSS, and JavaScript, allowing users to convert written text into spoken words.
- Designed an intuitive user interface with modern styling and responsive layout using CSS to enhance usability.
- Utilized the Web Speech API in JavaScript to access system voices and enable speech synthesis functionality.
- Implemented dynamic voice selection feature, allowing users to choose from available voices to personalize the speech output.
- Conducted thorough testing to ensure compatibility across different browsers and devices.
- Demonstrated proficiency in front-end web development and integration of browser APIs through project execution.
- Created clear documentation outlining project objectives, features, and implementation details.

## ACHIEVEMENT

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### **Goldman Sachs Software Engineering Virtual Experience Program on Forage - February 2024**

- Completed a job simulation as a Goldman Sachs governance analyst responsible for assessing IT security and suggesting improvements.
- Identified that the company was using an outdated password hashing algorithm by cracking passwords using Hashcat.
- Wrote a memo for my supervisor summarizing a range of proposed uplifts to increase the companys level of password protection including extending minimum password length and using a dedicated hashing algorithm.

### **GE Aerospace Supply Chain Job Simulation on Forage - February 2024**

- Completed a simulation focused on GE Aeroespaces Supply Chain engineering.
- Developed a procedure to disassemble a GEnx-1B high bypass turbofan engine core.
- Utilized engineering data in order to specify applicability, capacity, and size requirements.
- Successfully dispositioned non-conforming turbine blades using GE's Digital Thread and engineering data.
- Completed three Defect Disposition Forms in Excel for each of the non-conforming turbine blades in the non-conventional machining center.

### **TechA Linux Programming Foundation Certification - January 2024**

- Essential Bash programming concepts, including variables, decision-making, and string operations.
- Effectively use the shell to accomplish complex tasks with ease, simple commands and their usages, allowing you to perform operations on different kinds of files, text processing and web interaction, and conclude with backups, monitoring, and other sysadmin tasks.
- Bash Variables Command Line Tips and Tricks Condition and Loops Introduction Process Management Understanding Shell Scripts.

### **Kharagpur Winter of Code - January 2024**

- Completed Kharagpur Winter of Code program, spanning 4 weeks from December 2023 to January 2024.
- Made 11 pull requests and 15 commits, contributing to JavaScript projects using HTML, CSS, and JavaScript.
- Developed technical abilities and appreciation for open source collaboration.

### **HackerRank CSS (basic) certification - December 2023**

- Expertise in Cascading and Inheritance principles, optimizing CSS code for efficient styling inheritance and management.
- Proficient in text styling fundamentals, enhancing readability and aesthetics through precise font, size, and spacing adjustments.
- Skilled in utilizing CSS layouts to create visually appealing and structurally sound web designs, ensuring seamless user experiences.
- Solid understanding of the boxing model of CSS elements, facilitating accurate positioning and styling for effective web page composition.

### **Ideathon - November 2023**

- Contributed creative ideas and insights to address real-world challenges using AIML methodologies.
- Presented solutions effectively to judges and peers, demonstrating clear communication of complex AIML concepts.
- Honed problem-solving abilities by tackling diverse challenges in the AIML domain during the ideathon.

## TECHNICAL SKILLS

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**Frontend development:** HTML, CSS, JavaScript

**Python:** Web development

**C:** DSA