

# Gautam Chandra Giri

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## SKILLS

- **Languages:** C++, JavaScript, Python
- **Frameworks:** HTML and CSS, Bootstrap, Angular, TensorFlow, Scikit-learn, OpenCV
- **Tools/Platforms:** MySQL, Vs Code
- **Soft Skills:** Problem-Solving, Team Player, Adaptability

## PROJECTS

- **3D Image Slider:** Dec 2024 – Jan 2025  
Designed and developed an interactive 3D image slider using HTML, CSS, and JavaScript, enhancing user experience with smooth animations and transitions.  
Utilized **CSS transformations** and **JavaScript event listeners** to create a visually dynamic and responsive carousel  
Ensured **cross-browser compatibility** and optimized performance for seamless navigation.  
Implemented a **fully responsive design**, making the slider adaptable to different screen sizes and devices.  
**Tech:** HTML, CSS, JavaScript

- **Face Emotion Detection:** Sep 2024 – Dec 2024  
Developed a real-time face emotion detection system that analyzes facial expressions to classify emotions such as happiness, sadness, anger, fear, disgust, neutral and surprise. The system uses computer vision techniques for face detection and TensorFlow models for emotion classification.  
Integrated Python-based algorithms to process video frames and predict emotions dynamically.

**Tech:** Python, OpenCV, TensorFlow

- **JARVIS AI: (Working)** Feb 2025 – Present  
Developed Jarvis, an advanced AI-powered virtual assistant designed to streamline daily tasks and provide real-time information through natural language processing and automation. The project integrates multiple AI models and APIs to deliver a seamless user experience, enabling users to interact with the assistant via voice commands and a graphical user interface (GUI).

### Key Features:

- **Voice Recognition:** Utilized speech-to-text technology to allow users to interact with Jarvis through voice commands, supporting multiple languages and real-time translation.
- **Task Automation:** Implemented automation scripts to perform system-level tasks such as opening/closing applications, controlling volume, and managing reminders.
- **Real-Time Information Retrieval:** Integrated Google Search and YouTube APIs to fetch real-time data, news, and video content based on user queries.
- **Content Generation:** Leveraged AI models to generate high-quality content, including letters, emails, and code snippets, which can be saved and edited in Notepad.
- **Image Generation:** Incorporated Hugging Face's Stable Diffusion model to generate high-resolution images based on user prompts, with options to view and save the output.
- **Interactive GUI:** Designed a user-friendly GUI using PyQt5, featuring a chat interface, real-time status updates, and visual feedback for user interactions

**Tech:** Python, PyQt5, Selenium, Edge TTS, Groq API, Cohere API, Hugging Face API

- **Portfolio Website:** Feb 2025 – March 2025
  - Develop a fully responsive, modern portfolio website with interactive elements.
  - **Key Features:**
    - Mobile-friendly hamburger menu
    - Interactive project cards with hover effects
    - Smooth scrolling navigation
    - 95+ Lighthouse performance score

**Tech:** HTML5, CSS3, JavaScript, Responsive Design

## CERTIFICATES

- Complete Interview Preparation - Self-Paced (C++) by GFG. Jun 2024 - Present
- Application Development in Java – by Dr. Arvind Kumar (LPU) Jun 2024 - July 2024
- Cloud Computing Fundamentals – by NPTEL July 2024 – Oct 2024

ACHIEVEMENTS

• State Level Football Player	Nov 2018
Competes at the regional level, demonstrating exceptional skill, teamwork, and dedication to the sport.	
• National Level Martial Artists	Jan 2017
Exceptional combat skills, discipline, and competitive experience on a grand stage.	
• Won 2 <sup>nd</sup> Place in 4 x 100 Relay in the University Annual Athletic Meet	Apr 2024

EDUCATION

• <b>Lovely Professional University</b>	Punjab, India
<i>Bachelor of Technology - Computer Science and Engineering</i>	<i>Since August 2022</i>
• <b>Zenith’s Lion Gurukul</b>	Bargarh, Odisha
<i>Intermediate; <b>Percentage: 70%</b></i>	<i>April 2019 - March 2021</i>
• <b>Little Angel’s Sr. Sec. School</b>	Jharsuguda, Odisha
<i>Matriculation; <b>Percentage: 59%</b></i>	<i>April 2007 - March 2019</i>