

RAJ GUPTA

Python Developer | Passionate about AI and Data Science

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SKILLS

Programming Languages

C C++ Python Bash Scripting

Web Development

MERN Stack HTML CSS JavaScript

Databases

SQL PL/SQL

Tools and Frameworks

Git VS Code Jupyter Notebooks

CERTIFICATIONS

IEEE Certification

- 2nd IEEE CIS Summer School - IEEE (CIS)

August 16–21, 2024

Google IT Automation with Python

- Google IT Automation with Python - Google

September 2024

- Crash Course on Python - Coursera
- Using Python to Interact with the Operating System - Coursera
- Introduction to Git and GitHub - Coursera
- Troubleshooting and Debugging Techniques - Coursera
- Configuration Management and the Cloud - Coursera

PROJECTS

Voice Assistant using Python

- Developed a voice assistant in Python using libraries like SpeechRecognition, Pyttsx3, and PyAudio.
- Implemented features such as voice commands for opening applications, web searching, and retrieving weather updates.
- Optimized the assistant for improved accuracy in recognizing voice commands.

Hand Gesture Recognition for Computer Control

- Developed a hand gesture recognition system using OpenCV and Mediapipe.
- Implemented real-time hand tracking to perform operations such as volume control, mouse movement, and app switching.
- Optimized performance for low-latency response, making it efficient for real-time use.

EDUCATION

BTech in Computer Science and Engineering

Assam University Silchar
📅 November 2022 – Present

Overall CGPA: 8.06

Semester-wise SGPA:

1st Sem: 7.35
2nd Sem: 8.23
3rd Sem: 7.82
4th Sem: 8.86

CBSE Class XII - Kendriya Vidyalaya Narangi , Guwahati
📅 June 2021

87%

CBSE Class X - Kendriya Vidyalaya Saltlake no.2 , Kolkata
📅 May 2019

83.8%

HOBBIES

- Playing Badminton
- Problem-Solving on Coding Platforms (like LeetCode, Codeforces)
- Building Personal Tech Projects
- Reading Tech Blogs

LANGUAGES

- English - Full Professional Proficiency
- Hindi - Fluent
- Bengali - Basic