ATUL GUPTA

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EDUCATION

SRM Institute of science and technology, ktr- B.Tech

Sep2020-Jun2024
Pursuing Computer Science and Engineering (7th sem)|**CGPA**:8.63

Indra Pratap Singh Sr. Sec School, Jaipur 12th

2019-2020|**Total percentage: 79**

Pink City International Sr. Sec. School, Jaipur 10th

2017-2018|**Total percentage: 78.67**

INTERNSHIP

KPIT | Automotive / Ancillaries / Automobile

Software Engineer Intern

Key Skills: MODERN CPP, EMBEDDED SYSTEM, OOPS

I'm currently interning at KPIT, where I'm diving deep into modern C++ development, embedded systems, and object-oriented programming (OOPs). This experience is refining my coding prowess in advanced C++, providing insights into real-time embedded systems, and strengthening my grasp of OOPs principles. I'm excited about applying these skills to create efficient and scalable software solutions.

PROJECT

- **Desktop Assistent (AI Project)**

A desktop assistant is an AI-powered software application designed to provide users with personalized assistance and perform various tasks, making their computing experience more efficient and interactive. It utilizes natural language processing (NLP), speech recognition, and other AI technologies to understand and respond to user commands. Here are some key features and benefits of a desktop assistant.
pyttsx3: A Python library that provides a simple interface for text-to-speech conversion using different speech engines. It is used here to initialize and configure the text-to-speech engine, select the voice, and convert text to speech.
Speech_recognition: A Python library that provides an easy way to recognize speech using different APIs, including Google Speech Recognition.
Wikipedia: A Python library that makes it easy to access and parse data from Wikipedia.

- **A HYBRID ENCRYPTION FRAMEWORK FOR CANCELABLE BIOMETRIC (Face Recognition)**

OpenCV (Open Source Computer Vision) is an open-source computer vision and machine learning library. It provides a vast array of tools and functions for image and video processing, including object detection, facial recognition, image filtering, feature extraction, and much more. It is widely used in various applications like robotics, augmented reality, and image analysis

Encryption and Decryption techniques are essential for securing sensitive data. Python provides built-in libraries and modules to perform encryption and decryption operations. Commonly used encryption techniques include Advanced Encryption Standard (AES), Data Encryption Standard (DES), and Rivest–Shamir–Adleman (RSA). Encryption converts plain text into ciphertext, while decryption reverses the process, converting ciphertext back into plain text.

Python Imaging Library(PIL): Python Imaging Library (PIL) is an older library for opening, manipulating, and saving image files in various formats.

- **Frontend-College-Website:**

Provide a brief overview of the project, describing it as a college website developed using HTML, CSS, and JavaScript for the frontend. Highlight key features of the website, such as responsive design, interactive navigation, image sliders, contact forms, and showcasing college information.

SKILLS

- **Technical:** Analyze Problems, Python3, Analytical Skills, Project Management, React, Data Structures, SQL, C++, C Programming, Artifical Intelligence, HTML , CSS, Object-Oriented Programming (OOP) ,Figma, Canva