

# SAGNIK DEY

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Sagnik-Dey

Euphoric-Coder

## TECHNICAL SKILLS

**Languages:** C, C++, HTML, CSS, JavaScript, TypeScript, Go, Java, Python

**Technologies/Frameworks:** React.js, Vue.js, Django, Flask, Express.js, TensorFlow, PyTorch, Bootstrap, Node.js

**Database:** MongoDB, Firebase, MySQL, SQLite

**Deployment:** Vercel, Netlify, Heroku, AWS, Google Cloud Platform

## PROJECTS

### ColdConnect - Automated Cold Email Generator | ([GitHub](#)) ([Live Link](#))

Sep 2024

- **Tech Stack:** Llama 3.1, LangChain, ChromaDB, Streamlit, Groq, Python
- **Developed** an **AI-driven tool** to generate tailored cold emails, **increasing** email outreach efficiency by **40%**.
- **Implemented LangChain** to **extract** job descriptions and skills from **career portals**, **achieving 90%** accuracy in matching job requirements.
- **Utilized ChromaDB** for **semantic search** to **retrieve** relevant projects from **GitHub**, **reducing** manual workload by **30%**.
- **Designed** a **user-friendly interface** with **Streamlit** to allow seamless input of **career portal links** and display of generated emails.

### SmartAssist - Intelligent Multimodal Assistant with API & UI Integration | ([Github](#)) ([Link](#))

Oct 2023

- **Tech Stack:** *Python, PyQt6, Scikit, Pandas, OpenAI*
- Developed a **personal assistant bot** that enhances productivity with **voice/text input**, a sleek **UI** using **PyQt6**, and customizable **themes**. It leverages **AI** for food searches, translation, and content summaries, ensuring a seamless user experience.
- Developed a multimodal interface with PyQt6, boosting productivity by 20% through integrated voice and text inputs.
- Implemented an intuitive email client with advanced formatting and attachment features, reducing email composition time by 15% with the Gmail API.
- Architected an innovative RichText UI specifically for note-taking, resulting in a 25% enhancement in content retrieval speed.
- Constructed a movie and anime recommendation system using TMDB and AnilistPython APIs, increasing user engagement by 35% with tailored suggestions.
- Customized a news feed using gnewsclient API, delivering real-time updates and enhancing information accessibility by 40%.
- Integrated OpenAI's Whisper API for multilingual translation, expanding communication capabilities by 30%.

### Personal Portfolio Website | ([GitHub](#)) ([Live Link](#))

Oct 2023

- **Tech Stack:** *MongoDB, Expressjs, Reactjs, Nodejs, Zustand, Mantine UI*
- Developed a **personal assistant bot** that enhances productivity with **voice/text input**, a sleek **UI** using **PyQt6**, and customizable **themes**. It leverages **AI** for food searches, translation, and content summaries, ensuring a seamless user experience.
- Developed a multimodal interface with PyQt6, boosting productivity by 20% through integrated voice and text inputs.
- Implemented an intuitive email client with advanced formatting and attachment features, reducing email composition time by 15% with the Gmail API.

## EDUCATION

### Birla Institute of Technology & Science, Pilani [BITS Pilani]

2023 - 2027

Bachelor of Science (Honours) [B.Sc. (Hons.)] in Computer Science, **GPA:** 9.79 / 10.00 (2nd Semester)

**CGPA:** 8.51 / 10.0

- **Relevant Coursework:** Data Structures and Algorithms (C++), Prob & Stat in CS (Python), Intro to CS II (C++), Linear Algebra w/Computational Applications (Python)