

# SAGNIK DEY

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Sagnik-Dey

Euphoric-Coder

## TECHNICAL SKILLS

## PROJECTS

### SmartAssist - Intelligent Multimodal Assistant with API and UI Integration | (Github) Oct 2023

SmartAssist is a powerful **personal assistant bot** that enhances productivity with **voice/text input** and a well-designed **UI** using **PyQt6**. It features **dark/light modes** and customizable **color themes**. The bot utilizes **AI** to deliver web-based food searches, language translation, and auto-summarized content. Advanced **APIs** ensure a seamless and user-friendly 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.
- Integrated OpenAI's Whisper API for multilingual translation, expanding communication capabilities by 30%.
- 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%.

**Technologies/Concepts:** Python, PyQt6, Scikit, Pandas, Numpy, Seaborn, OpenAI, GeminiAI

### Project Name 2 | Spring Boot, Express.js, TensorFlow, PyTorch, jQuery, Bootstrap Aug 2024

- Developed a data visualization dashboard using D3.js, providing stakeholders with real-time insights and improving decision-making processes.
- Built a CI/CD pipeline using Jenkins and Docker, reducing deployment time by 40% and ensuring consistent and reliable releases.

### Project Name 3 | Python, Flask, Jinja2, Firebase, Bootstrap

- Contributed to an open-source project on GitHub, collaborating with a global community and achieving 500+ stars and 50 forks.
- Automated testing for a critical module using Selenium, reducing regression bugs by 30% and ensuring a more stable release cycle.

## 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)

## EXPERIENCE

### Company Name 1 Jan 20XX – May 20XX

Software Engineer

City, State

- Implemented microservices architecture using Node.js and Express, improving API response time by 25% and reducing server load by 30%.
- Led a cross-functional team in implementing a new feature using React and Redux, resulting in a 20% increase in user engagement within the first month.
- Optimized MySQL database queries, reducing page load times by 15% and enhancing overall application performance.

### Company Name 2 May 20XX – Aug 20XX

Software Engineer Intern

City, State

- Designed and implemented responsive user interfaces with Angular, leading to a 15% improvement in user satisfaction scores.
- Introduced automated testing processes with Jest and Enzyme, increasing test coverage by 30% and reducing post-release defects by 25%.
- Contributed to the adoption of agile methodologies, utilizing Jira and Confluence, improving team productivity by 15% through iterative development cycles.