

SAHYOG . A

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EXPERIENCE

FINTECH STARTUP | SOFTWARE DEVELOPMENT INTERN

- Developed and debugged backend systems for finance-based web apps.
- Coordinated sprint deliverables and contributed to product roadmaps.
- Worked with APIs, database logic, and full-stack tools for intelligent automation.

JAWAHARLAL NEHRU PORT AUTHORITY (JNPA) | WEB DEVELOPMENT INTERN

- Engineered full-stack features and improved site performance.
- Collaborated across teams for UI/UX development and backend integration.

PROJECTS

PRE-TERM INFANTS MOBILE APP | HEALTH COMMUNICATION APP

- Developed features such as video calling, messaging, health checklists, and real-time monitoring.
- Implemented secure authentication and data access control to ensure health data privacy.

EMOTION-ADAPTIVE WEB INTERFACE FOR ENHANCED USER INTERFACE

- Created a dynamic web interface that adapts to user emotions using sentiment analysis and AI.
- Managed frontend and backend integration, with usability testing.

VOICE ASSISTANT

- Developed a smart desktop assistant capable of executing voice commands using Python.
- Integrated offline speech recognition using the Vosk engine and text-to-speech via pyttsx3.
- Built a conversational engine using AIML (Artificial Intelligence Markup Language) inspired by ALICE chatbot.
- Enabled functionality for automation tasks like opening apps, reading time, accessing system info, and more.
- Designed a sleek HTML/JS-based frontend powered by Eel for interactive user experience.

REALTIME FACIAL EMOTION DETECTION

- Developed a real-time system using OpenCV and deep learning to detect and classify facial emotions.
- Implemented webcam integration and live emotion prediction using CNN models.

MY AWESOME CHATBOT

- Built an AI-powered chatbot using Python and NLP libraries like spaCy and NLTK.
- Integrated with a web interface for user interaction, capable of answering FAQs and small talk.

EDUCATION

SRM INSTITUTE OF SCIENCE TECHNOLOGY

INTEGRATED M.TECH, CSE - DATA SCIENCE

Expected 2026 | Chennai, India

SKILLS

PROGRAMMING

Python • Java • C++ • TypeScript

WEB DEVELOPMENT

HTML • CSS • JavaScript • React • Node.js • Next.js • Tailwind CSS

DATABASES TOOLS

MySQL • Firebase • MongoDB • PostgreSQL • Git

AI/ML FRAMEWORKS

TensorFlow • PyTorch • OpenCV

OTHER SKILLS

Agile • Sprint Planning • Product Roadmapping • Strategic Thinking • Team Collaboration • UI/UX Design

CERTIFICATIONS

Software Engineering Job Simulation – JPMorgan Chase

Machine Learning Generative AI with Python

Supervised ML: Regression

Classification (Coursera)

Software Design and Project Management (NPTEL)

SQL for Data Science & RDBMS Design

FIELDS OF INTEREST

Artificial Intelligence (AI)

Machine Learning (ML)

Deep Learning (DL)

Data Science Cybersecurity

LINKS

Github:// [SahyogA](#)

LinkedIn:// [sahyog-a](#)