Surabhi Waingankar

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Education

Dwarkadas J. Sanghvi College of Engineering — Mumbai, Maharashtra
Bachelor of Technology in Information Technology, Honors in Devops. **CGPA:** *9.5* — *Aug. 2022 – Present*

Internships

Artificial Intelligence and Machine Learning Intern — June 2024 – Aug 2024
Datamatics — *Mumbai, Maharashtra*
- Developed **Agentic Process Automation** (APA) systems to optimize various business workflows.
- Utilized **Large Language Models** (LLMs) to enhance **Large Action Models** (LAMs) for decision-making.
- **Technical Skills:** Python, LangChain, Autogen, CrewAI, Generative AI.

Data Analyst Intern — Feb 2024 – May 2024
Rubix Data Sciences Pvt. Ltd. — *Mumbai, Maharashtra*
- Designed and deployed a module on Docker that scrapes news from **Google News**.
- **Summarized** the scraped news, analyzed it's **sentiment** to provide insights for effective decision making.
- **Technical Skills:** Python, NLP, Flask, Selenium, Web scraping, Docker.

Projects

RE-DACT – NLP-Based Anonymization Tool — Winner of Smart India Hackathon 2024 — *Project Link*
- Used **NER** models like **SpaCy**, **Flair**, Multilingual **RoBERTa** for Hindi and **Regex** to anonymize sensitive data.
- Enabled **synthetic data** generation with **BERT** and **Faker** to create contextually consistent, anonymized data.
- Implemented **OCR** and **OpenCV** for redaction in **images** and used **XTTS** model for audio cloning.
- Supported **various input formats**, including PDFs, PPTs, DOCX, logs, images, videos and audio, with **customizable** redaction levels.

CLEO – AI Powered Sales Assistant — Winner of 100X Engineers Buildathon — *Project Link*
- Generated **tailored proposals** using the uploaded pdfs, implemented **AI voice calling**, created a chatbot which supports both voice as well as text input and also integrated bulk email sending to customers.
- Created an interactive and dynamic user-interface for the admin with **kanban** board and analytics section.
- Implemented **Retrieval Augmented Generation** (RAG) with multi-query retrieval for proposal generation.
- **Tech Stack:** FastAPI, Pinecone, LangChain, Vapi, Llama3, Groq, NextJs, MongoDB, 11Labs.

AXON - AI Powered Generative User Interface System — *Project Link*
- Fine-tuned **Gemini-1.5-Pro** on **ShadCN** components to generate unique **themes** and **React code** based on **ShadCN UI** and **TailwindCSS**.
- Implemented seamless **microapp deployment** with text and image prompts, enhancing user experience.
- Created a **marketplace** for users to discover, customize and deploy AI-generated microapps.
- **Tech Stack:** Postgres, NextJs, ShadCN, Gemini AI Studio.

Technical Skills

Languages: Python, Java, SQL, JavaScript, HTML, CSS, C
Frameworks: Flask, LangChain, Autogen, CrewAI, React.js, Next.js, Node.js, Express.js, Tailwind CSS
Developer Tools: MySQL, Snowflake, Tableau, PowerBI, RestAPI, Docker, MongoDB, Git, Figma, Canva

Achievements

- Won **Smart India Hackathon 2024** at **IIT Kharagpur** competing against 200 teams nationwide. - Dec 2024.
- Won **first prize in National Level IDEA Hackathon** by **Union Bank** and received **Rs. 5 Lakh** – March 2025.
- First place at **National Level 100x Engineers Generative AI Buildathon, pitched innovative** demo to 1000+ tech professionals and VCs at **DevSparks, Bangalore.** - April 2024.
- Second place at **National Level JPMorgan Chase and Co's Code For Good Hackathon** - June 2024.
- Second place at **National Level IIT Bombay Techfest'23 Datamatics Hackathon** - Worked on **Robotic Process Automation (RPA)** and developed an innovative solution using **TruBot** software in the HealthTech sector. Automated processes like appointment scheduling, invoice generation and ICD code generation. - Dec 2023.