

## ARYAN SWAROOP

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### EDUCATION

B. TECH (Electronics and Communication Engineering)	2022-2026	Delhi Technological University, New Delhi
CBSE (Class XII)	2021	Victoria Public Senior Secondary School (84%)
CBSE (Class X)	2019	Little Flowers Public Senior Secondary School (96%)

### INTERNSHIPS

#### Software Development Intern, Memboro, Remote

Dec 2024 - Jan 2025

- **Developed an Automated Content Pipeline:** Designed and implemented an AI-powered pipeline to generate full audio, video, and textual content for internal social media platforms, optimizing the content creation workflow.
- **Increased Efficiency:** Enhanced the company's **content creation rate by 80%** through automation and AI-driven solutions.
- **Built a Customizable AI Package:** Created a versatile AI-based package capable of producing various content formats tailored to user requirements.
- **Advanced Web Automation System:** Utilized Selenium to automate the extraction of the latest data, including multimedia content, from diverse websites, ensuring comprehensive and up-to-date content delivery.

#### Coding Content Intern, Listyaan, Remote

July 2022-Dec 2023

- **Data Structures and Algorithm Optimization:** Worked on implementing and optimizing data structure solutions to address real-world challenges during the internship at Listyaan.
- **Problem-Solving:** Tackled diverse problems, utilizing algorithmic approaches to develop efficient and scalable solutions, contributing to the organization's technical projects.
- **Growth & Engagement:** Increased **channel traction by 50%** through high-quality coding content and problem-solving tutorials.

### ACADEMIC PROJECT

Aivicall – Web App | [Link](#) | Nodejs , React , WebRTC , Websockets , Express

- Implemented **secure authentication** using **JWT and Bcrypt** to enhance user data protection.
- A real time video calling app with Nodejs, react and webRTC.
- AI driven app that helped students facilitate seamless collaboration, enabling users to connect over projects and work on projects together.
- Adding AI based feature increased traction by 40%.

AutoCret – Package | [Link](#) | Python, Selenium, Moviepy

- Developed a tool leveraging multiple APIs and **MoviePy** to dynamically generate and curate audio, video, and textual content.
- Used **Selenium** to extract data from non-API websites.

- Using web automation increased the efficiency by 20%.

Ecommerce – Web App | [Link](#) | Nodejs , React , Express , MongoDB , googleAuth

- Designed and developed a **fully functional eCommerce platform** for product listing and online sales.
- Integrated **Google Authentication** for seamless user access.

AiPDF\_Analyzer – Web app | [Link](#) | Python, Langchain, FAISS, PostgreSQL, HuggingFace

- Built a **FastAPI server** to upload PDFs, extract content, and store embeddings in a **vector database** for semantic search.
- Enabled **natural language querying** of documents with optimized API communication and real-time search.
- Adding FAISS increased reading speed of bigger files by 15%.

E-cell Website – Web App | [Link](#) | Next.js

- This is a project done in team and I am one of the three contributors
- This website is to showcase different events and past of Ecell DTU.
- Fixed issues and site handled attraction of more than 4000 users at peak hours.

## ACADEMIC ACHIEVEMENTS AND HOBBIES

- Secured a spot in the finals of skill Mingle Hackathon , ranking among the top 20 teams out of more than 600 teams.
- Took part in SIH hackathon and played as mentor for 1 stage qualified team.
- Got 1<sup>st</sup> position in State Level English Poem Recitation in year 2015.
- Interests are singing and Gym.

## OPENSOURCE CONTRIBUTION REPOS

- Talawa-Admin | [link](#)
- Appwrite | [link](#)

## TECHNICAL SKILLS

**Programming Languages:** Java, JavaScript, Python, C, Golang, HTML, CSS

**Frontend Development:** React, Next.js, Streamlit

**Backend Development:** Node.js, Express, Flask, FastAPI, Golang

**Databases & Storage:** MongoDB, ChromaDB, FAISS

**AI & NLP Frameworks:** Langchain

**DevOps & Tools:** Git, Docker, GitHub, VSCode, Nginx