ARKA SENGUPTA

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GitHub: https://github.com/Arka-Sengupta   **Portfolio:** https://arkasngportfolio.netlify.app/

Address: Kolkata, India

EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY   Amaravati, India

Bachelor of Technology - Computer Science and Engineering   September 2024 - Ongoing

KALYANI PUBLIC SCHOOL   Kolkata, India

CBSE Higher Secondary Education   June 2022 – July 2024

SKILLS SUMMARY

- **LANGUAGES :** Python, JAVA, JavaScript, HTML, CSS

- **FRAMEWORKS :** Pandas, Numpy, Matplotlib, Scikit-Learn, ReactJS, Flask

- **TOOLS :** Powerpoint, Excel, MySQL

- **PLATFORMS :** Visual Studio Code, IntellijIdea, Jupyter Notebook, Google Colab

- **SOFT SKILLS :** Great communication skills, great leadership qualities

PROJECTS

STOCKWISE | Visit : https://stockwise-24nq.onrender.com/   **April 2025**

StockWise is a sleek, full-stack web application tailored for Indian stock market enthusiasts. It features live index tracking, AI-powered analysis, exchange comparisons, and a smart chatbot named Mr. Market, all wrapped in a modern, animated UI.

It uses flask for the server side support, making it a dynamic webservice. For chatbot we used DeepSeek R1 API, and news API for the recent Indian financial news. We made the stock comparator using deepseek R1 API.

PIXELPULSE | Get : https://github.com/Arka-Sengupta/PixelPulse   **April 2025**

PixelPulse is a dual-application Java tool that lets users encode images into Robot 36 SSTV audio signals and decode those audio files back into images, using custom-built FFT and signal processing algorithms with a Swing-based GUI.

The use case of the project is secure media encryption using audio waves. Here the individual hex code of pixels of a image gets converted to its equivalent audio pitch in SSTV medium using the ROBOT36 library.

CERIFICATES

PYTHON BASICS | View : https://www.hackerrank.com/certificates/e7e58b26c571   **January 2025**

Issued by Hackerrank | Credential ID : **E7E58B26C571**

JAVASCRIPT BASICS | View : https://www.hackerrank.com/certificates/30411081fa7e   **January 2025**

Issued by Hackerrank | Credential ID : **30411081FA7E**

MATLAB ONRAMP | View : https://shorturl.at/9ukeK   **October 2024**

    Issued by MathWorks

OOPS IN JAVA | View : https://shorturl.at/2RWhu   **March 2025**

    Issued by Coding Ninjas

LANGUAGES KNOWN

- **ENGLISH :** Professional working profieciency

- **HINDI :** Professional working proficiency

- **BENGALI :** Native Speaker