

ARKA SENGUPTA

Email: arka.sengupta.06@gmail.com

LinkedIn: <https://www.linkedin.com/in/arka-sengupta-02211b320/>

Phone: +91 76030-58710

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 | [LINK](#)

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 | [LINK](#)

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 | [LINK](#)

January 2025

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

JAVASCRIPT BASICS | [LINK](#)

January 2025

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

Issued by MathWorks

Issued by Coding Ninjas

LANGUAGES KNOWN

- **ENGLISH** : Professional working profieciency
- **HINDI** : Professional working proficiency
- **BENGALI** : Native Speaker