Subhadeep Garai

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SUMMARY

I'm an entry-level engineer with a good understanding of software development and some knowledge of hardware. I'm good at coding, solving problems, and picking up new technologies quickly. I'm excited to work on interesting projects, eager to learn, and ready to be part of a supportive team where I can grow and contribute.

SKILLS SUMMARY

- **Coursework:** Data Structures and Algorithms, OOPs, VLSI, CMOS
- **Languages:** C++, HTML, CSS, JavaScript, SQL, Verilog, Python
- **Frameworks:** ReactJS, Numpy, Pandas, Matplotlib
- **Tools:** Visual Studio Code, GitHub, MATLAB
- **Platforms:** Windows, Web
- **Soft Skills:** Event Management, Time Management

EXPERIENCE / TRAINING

Akashvani (All India Radio)   1 Month

I visited all transmission points of Akashvani (All India Radio) and the main campus, learning about the broadcasting process, including signal transmission, equipment management, and network maintenance. I gained hands-on experience in operating and troubleshooting broadcasting equipment, understanding data storage and management systems, and managing operating systems for smooth data handling.

PROJECTS

Web-Based Music Player Application | HTML, CSS, JavaScript

- Developed an interactive online music player with features such as play, pause, skip, and volume control, ensuring smooth functionality and enhancing user engagement through dynamic playlists and real-time updates using **JavaScript**.
- Designed and implemented a fully responsive, visually appealing interface optimized for both desktop and mobile devices, providing an excellent user experience.

Stock Market Prediction | Python, Matplotlib, Pandas, NumPy

- Developed a stock market prediction model using Python to analyze historical data, forecast trends, and process large datasets accurately with **Pandas** and **NumPy**.
- Visualized stock trends and predictions using **Matplotlib**, offering clear insights into stock performance over time.

Enhanced Security Features of Net Banking Through Facial Recognition | React JS, Python, DeepFace, Express Js

- Developed a secure net banking system with facial recognition-based authentication, enhancing security against unauthorized access.
- Trained a **Convolutional Neural Network (CNN) model** for real-time face verification, ensuring high accuracy in user identification.
- Built the frontend using **React.js** for a seamless and interactive user experience.

EDUCATION

Bachelor's in Electronics and Communication Engineering.

Meghnad Saha Institute of Technology   2021-2025

Higher Secondary
Garhbeta High School(H.S)   2019-2021
Overall Percentage: 76.00%

CERTIFICATES

1) **Verilog HDL: VLSI Hardware Design Comprehensive Masterclass(udemy)**

2) **Python Programming**

3) **Machine Learning using Python**

4) **Web Development Using HTML, CSS**

5) **DSA using Python Programming**