SREETOMA MUKHERJEE

Phone: (+91) 6291493025 | Email: sreetomamukherjee03@gmail.com | **LinkedIn:** www.linkedin.com/in/sreetoma-mukherjee-4b41662a9 | **GitHub:** https://github.com/SreetomaMukherjee2003 | **Portfolio:** https://github.com/SreetomaMukherjee2003/My-Portfolio

PROFILE SUMMARY

- Enthusiastic **IT student** eager to apply and expand **technical skills** in a team setting.
- Committed to gaining **practical experience** and staying updated with emerging technologies
- **Strong problem-solving abilities**, effective communication, teamwork skills and delivering **complex projects**
- Experienced in **analyzing** user needs and crafting effective, **centric solutions.**
- **Developed complex projects** with real-world applications, managing all stages from concept to **deployment.**
- Proficient in **IoT devices** with a track record of building widely usable **projects**.

ACADEMIC DETAILS

- Pursuing **B.Tech** 3rd Year in **Information Technology (IT)** from **Narula Institute of Technology**   (Ongoing) (Autonomous Institute Under MAKAUT).
- Passed Higher Secondary Examination with 76% from **Ramakrishna Vivekananda Mission Vidyabhawan** (WBCHSE Board).   (Pass out 2021)
- Passed Secondary Examination with 76% from **Ramakrishna Vivekananda Mission Vidyabhawan** (WBBSE Board).   (Pass out 2019)

SKILLS

- **C**
- **Java**
- **Data Structures and Algorithms**
- **JavaScript**
- **HTML**
- **CSS**
- **React JS**
- **MySQL**
- **PostgreSQL**
- **GitHub**
- **Git**
- **API**

INTERNSHIPS

Full Stack Web Developer
Techplement   MAY 2024 – June 2024

Social Media Dashboard

Tools: HTML, CSS, Bootstrap, JavaScript, Visual Studio Code (VS Code)

Our **project** aims to develop a **web application** that displays a **graphical representation** of social media metrics, **including** follower growth, likes, subscribers, and **revenue**, with real-time updates and over **90% accuracy**.

Responsibilities:

- Designed and developed a dashboard using **HTML**, **CSS**, and **React JS** for searching different **social media accounts** and **logging in**.
- Planned and **designed** the system, programmed using **VS Code**, and developed the backend using **pre-built APIs** to **graphically** represent likes, subscribers, posts, followers, revenue, and growth, along with **other features**.
- Tested the system with unit testing, **fixed bugs**, and **deployed the application**.

Daily Quote Website

Tools: HTML, CSS, JavaScript, API

This **website** provides daily quotes with the author's name, allows users to **search quotes by author**, integrates directly with **Google search**, and enables direct uploading of **quotes to Twitter**.

Responsibilities:

- Designed and developed a dashboard in **HTML** and **CSS**, allowing users to get new quotes by refreshing the website or clicking a **new quote button**.

- Planned and designed the system, programmed using **VS Code**, and developed the backend with **JavaScript** and APIs for searching and linking with a pre-built **API for Google search** and displaying **new quotes**.
- Tested the system with unit testing, **fixed bugs**, and **deployed the application**.

Associate Software Engineer   MAY 2023 – AUGUST 2023
Skolar

Menu Driven API For Solving Data Structures and Algorithm

Tools: C Language, Data Structure and Algorithm

This API addresses a range of **data structure** and algorithm challenges, offering efficient **solutions** to improve **problem-solving** skills and enhance the API's performance by **40%**.

Responsibilities:

- Planned and developed an API in **VS Code** to facilitate solving various data structure algorithms using the **C programming language**.

Associate Neo Docto Intern   JANUARY 2024 – FEBRUARY 2024
Neo Docto

Digital Marketing Internship

Tools: Microsoft Excel, ChatGPT, Power Automate, Gen AI

- As an intern, I streamlined **MS Excel** operations with shortcuts and utilized **ChatGPT** for **prompt assistance**.
- I implemented Power Automate for product listing and task management using **AnyDesk**, earning a grade **A internship completion certificate**.

ACADEMIC PROJECTS

- **Drowsiness Driver Detection System**
  Tools: OpenCV, Dlib, Pygame, Cmake, Image Processing, Image labelling, Imutils, IDLE, Python, Scipy, Convolution Neural Network (CNN), Artificial Intelligence, Deep Learning.
  In this **project**, we developed software using Python libraries to **detect driver drowsiness**, enhancing road safety by triggering an **alarm** with **70%** more **accuracy** and increasing **API speed** by **30%**.
- **Mask Detection System**
  Tools: Python, Google Colab
  In this **project**, we developed software using Python libraries to **detect** whether a person is **wearing a mask**, aiming to mitigate the spread of viruses with **90% accuracy** and millisecond **API response time**.
- **Library Management APP**
  Tools: Java, API
  In this **project**, we developed software using **Java** and a pre-built API to manage a **library system** for studying and **downloading** various materials, with **millisecond** API response times to meet **user needs**.
- **Published a research paper based on A Study on Identification, Categorisation and Applications of Image Processing**
  A look At the Opportunity and Recent Challenges under **International Journal for Research Trends and Innovation (IJRTI)**.

CERTIFICATES

- Successfully completed "**AWS Fundamentals: Building Serverless Applications**" course from **AWS**.
- Successfully completed "**C for Everyone Structured Programming**" course from **University of California**, Santa Cruz in **Coursera**.
- Successfully completed "**Problem Solving Using Computational Thinking**" course from **University of Michigan** in **Coursera**.
- Successfully completed "**Writing Skills for Engineering Leaders**" course from **Rice University** in **Coursera**.
- Accomplished a **typing certificate** with a typing speed of 29 WPM and an accuracy of 99% from "**typing.com**".

SOFT SKILLS

Analytical thinking | Teamwork and collaboration |Adaptability | Time management | Leadership