

Sandipan Mondal

Phone: 732-306-6762 | [Email](#) | [LinkedIn](#) | [GitHub](#) | [Portfolio Website](#)

Education & Skills/Coursework

Rutgers University - New Brunswick, NJ
B.S in **Computer Science and Economics**
GPA: **3.86 / 4.00**

Dean's List since 2020
Expected: **2024**

Languages: Java, SQL, Python, JavaScript, Solidity, HTML/CSS, C

Frameworks/Libraries/Environments: React.js, Node.js, Express, JavaFX, Redux (familiar)

Databases: PostgreSQL, MongoDB, Firebase, Oracle Database

Tools: Git, GitHub, VScode, Eclipse, Android Studio, MATLAB

Certificates: AWS Cloud Practitioner (ongoing)

Related Coursework: Software Methodology, Internet Technology (Networks), Data Management for Data Science, Algorithms, Data Structures, Numerical Analysis

Projects & Experience

Face Detection Website (Full Stack) | [Website-Demo](#) | [Frontend-GitHub](#) & [Backend-GitHub](#)

- Capstone project where users can paste an image and it will draw a box around every human face found.
- Utilized Clarafai's **REST API** to detect and help pinpoint the location of each human face.
- Implemented entire user signup/registration form with password encryption and stored user information as well as number of images submitted per user in a relational database.
- Web App deployed on **Heroku** with endpoint testing on **Postman**.
- Used: **React, Node.js, Express, PostgreSQL, JavaScript, HTML, CSS Tachyons, RESTful API**

MERN To-do App (Full Stack) | [GitHub](#)

- Developed a To-do app where users can create, read, update, and delete items at their leisure.
- Items are stored in a NoSQL database (MongoDB).
- Utilized the Axios library and CORS library to connect the frontend to the backend.
- Used: **React, Node.js, Express, MongoDB, JavaScript, HTML/CSS**

Real-Time Chat Application | [GitHub](#)

- Created a messaging web app where users can message each other in real time.
- Users can login using Google **authentication** and their messages/user-chat-data is saved in **Firestore**.
- Used: **React, Firebase, JavaScript, HTML, Tailwind CSS**

Coffee + Donut Cafe Android App | [GitFront](#)

- Functional Android App where customers can order Coffee and different types of Donuts.
- Exhibits **CRUD** functionality as users and managers can create, read, update, and delete multiple orders as deemed necessary with a running subtotal in the background.
- Used: **Java, Android Studio**

Extracurriculars

- **Quantitative Finance Club:** Developed a Momentum [Python Trading Algorithm](#) based on Markov Chains that placed 4th / 20+ teams in SQC Coding Competition.
- **Creation of Game Society**
- **Undergraduate Student Alliance of Computer Scientists**