

Sayandip Halder

Software Developer



sayandip.in



sayandip18



sayandip-halder



sayandiph4@gmail.com



6290948673

EXPERIENCE

SYMPY | CONTRIBUTOR

Sep 2020 – May 2021

- Among the authors of Sympy v1.7
- Bug fixes and refactoring code.

GOOGLE SUMMER OF CODE | STUDENT DEVELOPER

June 2021 - Aug 2021

- Worked on a project named PyData/Sparse, under the aegis of Python Software Foundation, which is on its way to become the de-facto sparse array implementation of the Python ecosystem, replacing scipy.sparse
- Designed from scratch a ndarray compatible Python API
- The implemented API will enhance the capability of PyData/Sparse to perform tensor computations and eventually replace scipy.sparse

PYDATA/SPARSE | MAINTAINER

Aug 2021 - present

- Finding and fixing bugs
- Working on a C++ API that uses template metaprogramming to create a sparse array library that aims to overcome the current issues by TACO.

PROJECTS

SUPERCHAT | REACT, FIREBASE

2021

- A single-room group chat application
- The user can login and authenticate with Google, send and view messages

CREATE | REACT, CODEMIRROR

2021

- A Codepen clone
- The user can write HTML, CSS and JS code in the respective editors and see the corresponding result in the output panel

SUPERVID | JAVASCRIPT, FIREBASE, WEBRTC

2021

- A one-to-one video chat application
- Each user can get an unique code, share it with other user and create a call using the code

SKILLS

PROGRAMMING

Proficient:

C++ • JavaScript • Python • SQL

Experienced:

Python • Javascript

LIBRARIES/Frameworks

React.js • Numpy • Django

OTHER TECHNOLOGIES

Git • Firebase • HTML • CSS • Sass • Material UI • VSCode

CS CONCEPTS

• Database management system • Object oriented programming • Data structures and algorithms

EDUCATION

JADAVPUR UNIVERSITY

BACHELOR'S IN FOOD TECHNOLOGY
AND BIOCHEMICAL ENGINEERING

2018 - present | Kolkata

Faculty of Engineering and
Technology

Cum. GPA: 8.01 / 10