

Abir Mazumder

917.855.9412 | abir.m.mazumder@vanderbilt.edu

EDUCATION

VANDERBILT UNIVERSITY

BS IN COMPUTER SCIENCE

May 2022 | Nashville, TN

School of Engineering

LINKS

Github: [AbirMazumder99](#)

LinkedIn: [Abir99](#)

Personal: [abirmazumder99.github.io](#)

COURSEWORK

Programming and Problem Solving (Java)

Data Structures and Program Design

(C++)

Intermediate Software Design (C++)

Algorithms

Principles of Software Engineering

Web based System Architecture

TECHNICAL SKILLS

Programming Languages

(Ranked by Proficiency)

• HTML | CSS • Python • JavaScript • C++
• Java • SQL

Frameworks and Technologies

• NodeJS • Express • Bootstrap •
ReactJS | Native • GitHub

Software

• Tableau Server • Alteryx • Collibra

HONORS AND AWARDS

• Posse Foundation Full-Tuition

Leadership Scholarship (2018 -2022)

• QuestBridge Scholar (2018-2022)

HOBBIES

• Drumset/ Percussion • Piano • Investing

• Cricket • Table Tennis • Badminton

WORK EXPERIENCE

MOODY'S SHARED SERVICES | CENTRAL IT INTERN

June'21 - July'21 | Charlotte, NC

- Automating a data lineage from Python ETL scripts to Collibra for technical and business lineage by working with Python, SQL and JSON
- Building a transparent data environment to save time and improve accuracy by determining how and where data is used
- Participating in Moody's Hackathon as the only intern group to build a networking website using MongoDB, Express, ReactJS, and NodeJS.

ALCON RESEARCH LTD | INFORMATION TECHNOLOGY INTERN

June'20 - August'20 | Fort Worth, TX

- Built a web scraping application to automate data extraction from the FDA.gov website by using Python, TKinter, Pandas and the OpenFDA API
- Eliminated the need for manual data entry to improve the process of generating Alcon's KPI by using SQL, Alteryx and AWS Athena
- Extracted error free data to generate better graphical charts that show Alcon's performance compared to their competitors in terms of regulatory metrics

LEADERSHIP

JGS ROBOTICS TEAM | ENGINEERING DIRECTOR | FOUNDING MEMBER

October 2016 - June 2018 | Jamaica, NY

- Directed 20 team members in order to build a fully functional robot to compete in the FIRST Robotics Competition
- Assisted in a grant application for \$5000 from NASA in order to pay for the team's first competition

VANDERBILT JAZZ ENSEMBLE | CO-CHAIR | CO-FOUNDING MEMBER

June 2021 - Present | Nashville, TN

- Conducted a band of 20 musicians to form a Jazz community and play for university events and local bars
- Combined with faculty and music students to incorporate improvisation into playing suitable Jazz Big Band pieces

PROJECTS

THE SAD PROJECT | CO-FOUNDER | FULL STACK DEVELOPER

June 2020 - Present | Virtual

- Collaborating with a friend to create a dating app inspired by a Facebook group's unique auction style dating
- Implemented the UI using React Native, backend API using Firebase, and a NoSQL database using Firestore

PUSHING THE ENVELOPE | FRONT END DEVELOPER

June 2021 - Present | Virtual

- Collaborating with other developers to create a music blog website that deviates from traditional style blogging
- Adding features to the Admin Page to make UI more accessible using React and TypeScript