

Sagar Shrestha

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Education

CUNY: Brooklyn College

BS. Computer Science

Expected Graduation May 2021

GPA : 3.28/4

Related Coursework's: OOP, Data Structures, Database Systems, Operating Systems, Network & Sys. Admin

Experience

Teaching Assistant

Jan 2021-Feb 2021

Brooklyn College (NYC Tech Talent Pipeline)

- Taught students modern full stack technologies like HTML, CSS, NodeJS, React & Redux and PostgreSQL.
- Reviewed and graded students assignments, Assisted students with their projects.

Software (Data) Engineer Trainee

July 2020 – Dec 2020

Altcoin Advisors

- Worked extensively on refactoring various previous iteration of back tester and building back tester that tests different trading strategies on historical cryptocurrencies trade data.
- Worked on database migration and revamping the architecture from MySQL to PostgreSQL.
- Developed various internal ETL pipelines using distributed libraries like PySpark and Dask.

Full stack Bootcamp

June 2020 – July 2020

CUNY 2X

- Developed a scalable & responsive full stack web application within a week featuring Firebase, ExpressJS, React & Redux and TypeScript.
- Built several single page applications using modern web technologies such as React, Redux, Express, Firebase etc.

STEM Peer Advisor

May 2018-Dec 2018

LaGuardia Community College

- Helped students with their class selection for STEM classes, scholarship research, career planning
- Recruited students to participate in Student Advisement and Campus Life Programs.

Projects

Student First (College Project)

Link: <http://capstone-project.web.app>

Backend: github.com/AswinTorch/TTP-Capstone-Project-Server

Frontend: github.com/AswinTorch/TTP-Capstone-Project-Client

Tech used: JavaScript, TypeScript, Express, React, Redis, Firebase(Database & User authentication), Python(Scraper)

- Worked in a group of 3 to build a student portal website that is capable of scheduling classes.
- Built a custom in-memory cache that reduced the database read from 100k/day to less than 10k/day.

Discord Job Scraper Bot (Side Project)

Backend: github.com/sqr2848/b_good

Scraper & Bot: github.com/sqr2848/discordJobPostbot

Tech used: JavaScript(Bot), Python(Scraper), Go(Backend), PostgreSQL, Selenium, AWS, Azure

- Worked on building a multithreaded scraper capable of gathering data from various job posting websites.
- Built the backend and data pipelines for API calls.

Technical Skills

Languages: Python (Fluent), Rust (Competent), Java (Competent), JavaScript (Competent), Go (Competent), C/C++ (Familiar)

Database: PostgreSQL, MySQL, Firebase DB, MongoDB

Tool/Frameworks: Spark, Redis, Dask, Selenium, Express, React/Redux, Flask

Cloud Platform: AWS, GCP, Azure

Operating Systems: Linux/UNIX, Windows

Activities & Leadership

Tech Ambassador

Spring 2018

President Society (LaGuardia Community College)

- Chosen for a prestigious tech career leadership program that enables initiative-taking students to develop skills and represent LaGuardia as student ambassador.

Vice President

CS Club : LaGuardia Community College

- Responsible for establishing LAGCC first CS club

Other Skills

Language : English, Nepali, Hindi

Hobbies and other tools : Music Production & Composition, Photography, Photoshop, Lightroom, Ableton, Cubase