

# Anmol Shrestha

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## **Education**

Lehigh University, Bethlehem, PA 18015

May 2021

Bachelor of Science in Computer Science

GPA: 3.89

Physics minor

Honors: Dean's list Fall 2017, Spring 2018, Fall 2018, Spring 2019, Summer 2019, Dean's Scholarship,

Phi Sigma Pi National Honor Fraternity, Tau Beta Pi Engineering Honor Society, Martindale Scholarship

## **Technical Skills**

TypeScript, JavaScript, ReactJS, Cypress, Java, Python, Scrapy, Selenium, MongoDB, Firebase, Expo, React Native, HTML/CSS, C/C++, NoSQL, SQL, R

## **Work Experience**

### **Undergraduate Research Assistant**

Das Lab, Lehigh University, Bethlehem, PA (<https://das-lab.org/>)

February 2020–Present

- Lead development of web crawlers for international COVID-19 related press releases using Python with Scrapy and Selenium (<https://bit.ly/covid-crawler>)
- Set up automation with Python and Selenium to google translate huge amounts of text (<https://bit.ly/gooletrans>)
- Engineer data collection and data storage for the project team on a MongoDB database
- Formulate research questions pertaining to COVID-19 related public messaging
- Analyze collected data with data science techniques using R and Python
- Integrate topic modelling with JavaScript to create and maintain an interactive web application

### **Software Development Co-Op**

Bentley Systems, Philadelphia, PA (<https://www.bentley.com/>)

August 2019–January 2020

- Used TypeScript with ReactJS to write features for the UI of Bentley Systems' [ProjectWise Web View](#)
- Employed Cypress to write integration and end-to-end tests and Jest for unit tests
- Identified and consequently solved problems/bugs with various parts of the User Interface

### **Teaching Assistant**

Computer Science Department, Lehigh University, Bethlehem, PA

January 2019–May 2020

- Courses: CSE 002 (Fundamentals of Programming) and CSE 241 (Database Systems and Applications)
- Supported instructor with test administration, curriculum development, and grading
- Tutored students individually and in small groups to reinforce learning concepts

## **Leadership Experience**

### **International Orientation Leader**

Office of International Students and Scholars, Lehigh University, Bethlehem, PA

April 2018–August 2019

- Helped international students acclimate to the American College experience and transition into Lehigh University

### **Camp Hawk Counselor and evoLUtion Peer Leader (First Year Student Camp Counselor)**

Office of First Year Experience, Lehigh University, Bethlehem, PA

March 2018–September 2019

- Guided a group of first-year students at a camp, facilitating their transition into college and prompting meaningful conversations while also informing them about supportive resources provided by Lehigh
- Interviewed and recruited applicants for the same position

### **Group Coordinator**

Nepal Red Cross Society, Kathmandu, Nepal

July 2016–August 2017

- Led a team of first aid volunteers and provided first aid to the injured people during various events in Kathmandu

## **Personal Projects**

PPE4NYC (<https://ppe4nyc.org/>)

- Enhance Continuous Integration of the website using Github Actions with integration and end-to-end tests on Cypress

Hawk Chat (<https://hawk-chat.netlify.app/>)

- Soon to be released for iOS and Android with complete features, currently Work in Progress
- Design and Deploy a chat app primarily for first year Lehigh students to connect with students in their class

CheckFact ✓ (<https://bit.ly/checkfact> ✓, <https://bit.ly/checkfact> ✓-code)

- Developed and released an extension for Chrome Web Browser to quickly fact-check through [Snopes](#)