

Anmol Shrestha

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Education

Lehigh University, Bethlehem, PA18015

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, Node.js, MERN

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  (<https://bit.ly/break-extension>, <https://bit.ly/break-code>)

- Developed and released chrome extension to put "debugger" on any webpage so that it pauses the page's execution

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](#)

howtosay.link (<https://howtosay.link/>)

- Simple Web Application that generates audio and shareable links to text pronunciations, built using the MERN stack