

Anmol Shrestha

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EDUCATION

LEHIGH UNIVERSITY
BS IN COMPUTER SCIENCE
MINOR IN PHYSICS
May 2021 | Bethlehem, PA
College of Engineering
Cum. GPA: 3.89 / 4.0
Major GPA: 3.91 / 4.0

PRASADI ACADEMY
Grad. July 2016 | Lalitpur, Nepal

LINKS

Portfolio:// anmolshrestha.com
Email:// shrestha.anmol.as
Lehigh Email:// ans221
Facebook:// [shresanmol](https://www.facebook.com/shresanmol)
Github:// [shresshres](https://github.com/shresshres)
LinkedIn:// [shrestha-anmol](https://www.linkedin.com/in/shrestha-anmol)
Twitter:// [@anmolshres](https://twitter.com/anmolshres)

COURSEWORK

UNDERGRADUATE

Design and Analysis of Algorithms
Programming & Data Structures
Database Systems & Applications
Computer Organization Architecture
Computers, Internet & Society
Introduction to Data Science
Operating System Design
Web Systems Programming
Software Engineering
Probability & Statistics

SKILLS

PROGRAMMING

Fluent:
TypeScript • Python • JavaScript
HTML • CSS • ReactJS • NodeJS
SQL • NoSQL • Java
Familiar:
C • C++ • Rust • Matlab
React Native • R

TOOLS

MongoDB • Firebase • Expo
Selenium • Scrapy • MERN
Cypress • LDAMallet

LANGUAGES

English • Nepali • Hindi • Urdu

SUMMARY

Ambitious and dedicated student of technology focused on creating solutions using the most effective combinations of cutting-edge software and development techniques. Articulate and kind team-player always willing to jump in and help others. Astute and skillful with technology with a track record of successful implementations.

EXPERIENCE

DAS LAB | UNDERGRADUATE RESEARCH ASSISTANT

Feb 2020 - Present | Lehigh University, Bethlehem, PA

- Implemented web crawlers for 11 different countries to extract their COVID-19 press releases (Python, Scrapy, Selenium)
- Set up automation to google translate huge amounts of text (Python, Selenium)
- Engineer data collection and data storage for entire team (MongoDB)
- Analyze text data using various data science techniques (Python, R, LDAMallet)
- Formulate research questions related to public messaging about COVID-19

BENTLEY SYSTEMS | SOFTWARE DEVELOPMENT CO-OP

Aug 2019 - Jan 2020 | Philadelphia, PA

- Devised integration, end-to-end testing, managed project CI making it much more robust (Cypress, Jest)
- Created UI features for ProjectWise Web View system (ReactJS, TypeScript)
- Accomplished client needs with bug fixes and feature addition

CSE DEPARTMENT | TEACHING ASSISTANT

Jan 2019 - Present | Lehigh University, Bethlehem, PA

Courses: CSE002 (Fundamentals of Programming), CSE241 (Database Systems & Applications) and CSE252 (Computers, Internet & Society)

- Guided 100+ students with complicated course information and concepts
- Assisted with test administration, curriculum development, and grading
- Provided tutoring (groups and one on one) to reinforce learning

HONORS

Dean's List: Fall 2017, Spring 2018, Fall 2018, Spring 2019, Summer 2019
Phi Sigma Pi National Honor Fraternity • Tau Beta Pi Engineering Honor Society
Martindale Student Associates Honor Program • Dean's Scholarship

PERSONAL PROJECTS

PPE4NYC - VISIT

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

BREAK - INSTALL

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

CHECKFACT - INSTALL

Designed and published an extension for Chrome Web Browser to quickly fact-check through Snopes

HOWTOSAY.LINK - VISIT

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