

Saroj Sharma

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I am an aspiring computer science researcher with interests in Machine Learning, Data Analytics, Cloud Computing, Security and Educational Technology. In the long term, I want to use these skills to develop technologies to assist teaching and learning process in rural communities of developing countries.

EDUCATION

Troy University, Troy, Alabama (United States) (01/2015-05/2019)

Bachelor of Science, Computer Science

Awards: Chancellor's Scholarship

(Tuition Waiver for four years of undergraduate education)

CLASS PROJECTS AND PAPERS

- Literature Review on "Hybrid TCP/IP- OSI Architecture: Layered Security Approach"(Spring 2019)
- Use Case Study Report for a web application tool to find vulnerabilities and threats in a particular website (Fall 2018)
- Literature Review on "Privacy in the Era of Big Data" (Fall 2018)
- ESL Tutoring Service Web Application (HTML5, CSS, JavaScript, Php, MySQL) (Fall 2017)
- Literature Review on "A Philosophical Crisis That is Artificial Consciousness" (Spring 2018)

TEACHING EXPERIENCES

VOLUNTEER TEACHER

(10/2019-12/2019)

Shree Shivalaya Secondary School | Parbat, Nepal

- Taught Computing and Mathematics to high school students.
- Supervised computer lab sessions.
- Hosted workshops for teachers regarding technology-assisted teaching.

INSTRUCTOR AND ACADEMIC COUNSELOR

(05/2019 -10/2019)

Talent Hub Nepal | Pokhara, Gandaki, Nepal

- Taught several topics in Mathematics in BSc Entrance preparatory classes.
- Taught SAT, GRE and IELTS preparatory classes.
- Counseled high school graduates aspiring to study abroad.

ENGLISH TUTOR

(06/2015 - 12/2017)

ESL Department | Troy University | Troy, AL

- Tutored ESL students in different areas of English Language: Reading Comprehension, Composition, and Grammar.
- Provided administrative support to the department in storing, organizing and updating tutoring records.

**PROGRAMMING
EXPERIENCE**

C++, Java, Python, JavaScript, HTML5, CSS, PHP

**LANGUAGE
SKILLS**

Nepali (native), English (fluent), Hindi (fluent), French (A1)

TEST SCORES

GRE: 320

Verbal (158), Quantitative (162), AWA (3.0)

**LANGUAGE
SKILLS**

IELTS: 8.0

Reading (9.0), Listening (8.0), Writing (7.5), Speaking (7.0)

CERTIFICATIONS

Applied Data Science using Python

Ongoing

University of Michigan, Coursera ‘Specialization’

- This five-course specialization covers machine learning, data visualization, network analysis, etc. using various Python libraries (e.g. Sklearn, Numpy, Pandas, and Matplotlib).

Becoming Global Citizens for a Sustainable Society

**Asia-Pacific Centre of Education for International Understanding and Ban
Ki-moon Centre for Global Citizens.**

**OTHER
INTERESTS**

Filmmaking, Scriptwriting, Advocating Sustainable Living, Solo Hiking, Solo Backpacking, Reading, Educational Activism,