SUPRATIK NEUPANE

E-mail: sneupane@buffalo.edu

Website: supratikn.github.io

Linkedin: linkedin.com/in/sneupane1997

Code repository: github.com/supratikn

GOAL

To put my skills to work on back-end projects or A.I. projects.

EDUCATION

UNDERGRADUATE

State University of New York At Buffalo   Fall 2016 - Fall 2019 (Expected)

BS in Computer Science
Dean's List
Honors College
Cumulative GPA: 3.86/4.00

Notable Courses

Data Structures	Algorithm Design
Probability Theory	Computer Organization
Programming Languages	Linear Albegra
Multivariable Calculus	How the Internet Works

WORK EXPERINCE

MOBILE DEVELOPER

Niagra Frontier Transportation Authority   June 2018 - September 2018

- Made an android app to help report conditions of the NFTA bus stops.
- Used queries and Google Play-services to map the bus stops to precise locations.
- Used Google Firebase Database and Firebase Storage to host a server that records all the submissions, including images, made by NFTA employees through the app.
- Managed a database of over five thousand entries.

UNDERGRADUATE RESEARCH ASSISTANT

Formal Verification of Randomized Programs, University at Buffalo   May 2018 - Present

- Learned to use Coq to formally prove theorems and algorithms.
- Worked with Dr, Marco Gaboardi to verify randomly generated Cryptography and Security programs.
- Used Coq to verify Probabilistic Models of Machine Learning algorithms.

UNDERGRADUATE TEACHING ASSISTANT

Department of Computer Science and Engineering, University at Buffalo   August 2017 - Present

- Run recitations and hold office hours each week for **Intro to Computer Science (I and II), Programming Languages** and **Software Engineering Concepts**.
- Help debug their Java/Python/OCaml code and demonstrate good coding practices.
- Run review sessions before exams and deadlines.
- Grade handwritten exams and set up auto-grader for programming assignments.
- Manage teams for group projects and work like a project manager.

SKILLS

LANGUAGES

C++, Python, Java, JavaScript, C, C#, Standard ML. Coq, Scala, HTML, CSS, OCaml, Node.js

GAME

Unreal Engine 4, Unity 3D

EXTRACURRICULAR

VOLUNTEER

- **Kiran Namaste Orphanage, Lalitpur, Nepal (2013-2016):** Tutored students of grade 8, 9 and 10 in Math, Science and Computer Science (Microsoft Office, HTML, QBASIC).
- **Gorey's e-Sport Club, Lalitpur, Nepal (2013-2016) :** Won the 2015 FIFA Tournament.
- **University at Buffalo Robotics Club, Buffalo, NY (Spring 2017-present):** Worked on an AI project that plays chess.

CLUBS

- **UB Archery Club, Buffalo, NY (2016 - present)**
- **UB ACM, Buffalo, NY (2016 - present):** Helped in organizing the 2018 UB Hackathon.
- **Scientista, UB, Buffalo, NY (2016 - present)**