

Abi Pradhan

Work Experience

Contact

[linkedin.com/in/abhijeet-pradhan/](https://www.linkedin.com/in/abhijeet-pradhan/)

github.com/reading-stiener

apradha1@conncoll.edu, 8605145909

Connecticut College | Research Student, CS Department | May 2019 - Present, New London, CT
Worked on audio-visual source separation. Used ResNets and UNet to solve the problem. [poster](#) Currently working on time based Conv-LSTMs and CNNs to classify and caption annotated videos. [github](#)

Osler | Software Engineering Intern | March 2020 - August 2020, Hanover, NH
Used python and mongodb to setup backend databases for company's Electronic Health Record (EHR) from existing medical libraries like SNOMED and UMLS. Used Node.js to setup Fast Healthcare Interoperability Resources (FHIR) server and client for the company.

Food Pantry | Database handler | November 2019 - January 2020, New London, CT
Add search features for food recipients on the database using FileMaker Pro. Write scripts to handle searches based on names, Social Security Number and so on.

Connecticut College | Teaching Assist, CS Department | August 2018 - present, New London, CT
Teach and tutor 40+ computer science students every week. Covered concepts like object-oriented design, algorithms, and data structures in java and python.

Projects

FHIR mock app | JavaScript, SQLite3, HTML, CSS
A mock app displaying how a FHIR client and server can be used to create a working health care application. The app is based on FHIR which is the RESTful standard enforced in the US and worldwide. [github](#)

OneRemote | Raspberry Pi, Arduino, Infrared Tech
A universal smart remote for every smart device in your home. A working prototype using Raspberry Pi and Arduino is ready. For details visit the [website](#).

DexBot | Raspberry Pi, Python, Flask, HTML, CSS, Javascript
A stair climbing robot built from scratch for robotics class (COM 310) . Current progress in the project can be viewed from the following [website](#).

Education and Miscellaneous

Connecticut College | Class of 2021
Computer Science & Mathematics | GPA 3.94

Relevant Courses:

Computer Organization | Data Structures |
Algorithms | Robotics | Digital Sound Processing |
Theory of Computation | Operating Systems |
Algorithmic Game Theory | Artificial Intelligence |
Real Analysis | Discrete Mathematics | Linear
Algebra | Computer Vision

Skills:

Proficient: Python, JavaScript, HTML, CSS, MongoDB

Project Experience: Java, MySQL, TensorFlow, Flask,
RaspberryPi, Arduino, Google Cloud API

Tools: Git, Jupyter Notebooks, Linux

Awards & Honors:

Dean's High Honors: 2017, 2018 | President Scholars:
2017, 2018, 2019, 2020

Best Use of google Cloud API: HackUMass Fall 2018