

## SAUGAT DAHAL

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## EDUCATION

### CALDWELL UNIVERSITY

Bachelor of Science

Double Major : Computer Information Systems and Mathematics

Overall GPA : 3.92 – Dean's List (2015-2018) – Presidential Scholarship

Activities : Caldwell University Computer Science Club, Founder & President

Caldwell, NJ

Expected May 2019

## WORK EXPERIENCE

### Caldwell University

Senior Technical Assistant

Caldwell, NJ

Feb 2017- Present

- Develop and maintain websites, including primary university website using WordPress, HTML/ CSS and JavaScript
- Design web layout, code pages and create graphics (Photoshop) for publication of news and events on university website and e-commerce applications.
- Responsible for advertisement of events through creation of different landing pages.

### Essex Fells Yatch Club

IOT Development Intern

Essex Fells, NJ

June 2018- August 2018

- Marine IOT technology startup
- Develop hardware architecture for marine applications requirements, including GPS positioning inter-device communications using Bluetooth, Wifi, GSM, and end-user display on programmable LCD displays.
- Build hardware prototypes for testing in-shop & on water in sailing racing applications.
- Designs and code mobile device software using microPython (Pycom microcontroller) and C (Arduino microcontroller).
- Build hybrid back-end / front end system using Django ORM to provide REST API for collection and storage of data from mobile devices, as well as querying of collected data and display in map using Google Maps API.

### Pro Bono

Volunteer with Kathmandu Metropolitan City & Heritage Preservation

Kathmandu, Nepal

June- August 2015

- Three-month volunteer engagement for post-earthquake recovery efforts, including inventory management of supplies for emergency distribution as well as preservation and documentation of historically significant cultural monuments.

## PROJECTS

- **Website Development :-** Developed a complete media responsive website for Upshaw PLLC using languages HTML5, CSS3 and JavaScript and frameworks like bootstrap.
- **Geo-Location Application :-** A python application that communicates with the Garmin IPC Inbound API, grabs the location data, create a KML file and display it in a Google Earth Pro App on desktop.

## ADDITIONAL SKILLS

**Programming Languages:** Java, HTML5, CSS3, JavaScript, PHP

**Frameworks:** JQuery, Angular.js, Bootstrap, Django, Node.js

**Platforms:** WordPress, Woo-commerce

**Databases:** MySQL, MongoDB (no-sql)

**Languages:** English (fluent, speaking and writing); Hindi (fluent, Spoken); Nepali (Native)