

## SAUGAT DAHAL

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### EDUCATION

#### CALDWELL UNIVERSITY

Bachelor of Science

Double Major : Computer Information Systems and Mathematics

Overall GPA : 3.91 – Dean's List (2015-2018) – Presidential Scholarship

Activities : Caldwell University Computer Science Club, Founder & President

Caldwell, NJ

Expected December 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 for publication of news and events on university website and e-commerce applications.
- Responsible for online advertisement of universities 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.

### PROJECTS

- [Web Application Book Share:-](#)
  - Django web application allowing students to create account for selling and buying books.
  - Deployed using nginx server on the amazon web services ec2 instances, serving static content from S3 bucket.
  - More than forty-two users currently using the site for selling their books.
- [Web Application Party With Us:-](#)
  - Continuous integration and deployment of site (allows the user to post parties in their houses) onto Heroku.
  - Used SERN stack (SQL, Express, React, Node) for the development of site along with JWT authentication.
- [CookMe React Web Application:-](#)
  - Single Page Application developed via react for displaying recipes on the basis of input ingredients.
  - Utilized spoonacular's restful Recipe API for displaying the result. Deployed on Heroku.
- [Website Development:-](#)
  - Developed and designed a complete media responsive website for the company Upshaw PLLC.
  - Used HTML5, CSS3, and web optimization techniques to ensure better performance and user experiences.
- [Geo-Location Application:-](#)
  - 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, Python, C#

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

**Platforms:** WordPress, Woo-commerce, Linux, GitHub, AWS, Google cloud

**Databases:** MySQL, MongoDB, Postgres

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