SAUGAT DAHAL
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EDUCATION

CALDWELL UNIVERSITY   **Caldwell, NJ**
Bachelor of Science   *Expected December 2019*
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

WORK EXPERIENCE

Caldwell University   **Caldwell , NJ**
Senior Technical Assistant   *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   **Essex Fells, NJ**
IOT Development Intern   *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**:-
  - Web Application which allows students to login, create account, upload profile pictures, sell and buy books. Framework: Django
  - Platforms: AWS ec2instances, AWS route53, AWS s3, Django, Bootstrap and SendGrid
- **Website Development**:-
  - Developed a complete media responsive website for Upshaw PLLC using languages HTML5, CSS3 and JavaScript. Framework: Bootstrap.
- **Geo-Location Application:-**
  - An 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. Language: Python

ADDITIONAL SKILLS

Programming Languages: Java, HTML5, CSS3, JavaScript, PHP, Python, C#
Frameworks: JQuery, Bootstrap, Django, Node.js, React.js
Platforms: WordPress, Woo-commerce, Linux, GitHub, AWS, Google cloud
Databases: MySQL, MongoDB, Postgres
Languages: English (fluent, speaking and writing); Hindi (fluent, Spoken); Nepali (Native)