

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 (2015-2019) – Presidential Scholarship

Activities : Caldwell University Computer Science Club, Founder & President

Caldwell, NJ

Expected December 2019

WORK EXPERIENCE

Tarifica

Software Engineer Intern (Python, Django, React)

Manhattan, NY

May 2019-Present

- Responsible for building, and managing data gathering scrapers in Python based environment.
- Develop Python REST API frame work using Django.
- Continuous maintenance and troubleshooting of built in web scrapers.
- Create new functions and visualizations to access/analyze the data on Tarifica's front-end using JavaScript (React).
- Collaborate with the teams on distributed version control system (GitHub) to handle complicated issues related with deployment of Django based applications.

Hazelnut

Software Engineer Intern (Node.js, React, MySQL, AWS)

Caldwell, NJ

Jan 2019- Present

- Built microservices using Node.js for Restful API services - beta referral service, user service and notification service.
- Secure RESTful API with JWT authentication, Amazon SES (email) & Amazon EC2 instance (deployment).
- Responsible for reviewing and integrating codes into three different environments (dev, stage and production) through distributed control version control system (Gitlab).
- Responsible for building and deploying landing website for hazelnut using REACT.

Caldwell University

Senior Technical Assistant (WordPress, JavaScript)

Caldwell , NJ

Feb 2017- Present

- Develop and maintain websites, including primary university website using WordPress, HTML/ CSS and JavaScript
- Design responsive web layout and create graphics for publication of news and events on website.
- Responsible for advertisement of different universities events through creation of different responsive landing pages.

Essex Fells Yatch Club

IOT Development Intern (Python, Django, microPython, C)

Essex Fells, NJ

June 2018- August 2018

- 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.
- Designs and code mobile device software using microPython (Pycom) and C (Arduino).
- 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.

ADDITIONAL SKILLS

Programming Languages: Python, HTML5, CSS3, JavaScript, Python, Java

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, speaking); Nepali (Native)