SAUGAT DAHAL

132 Roseland Avenue, Caldwell , NJ 07006 (Willing to Relocate) • (862) 223-0190 • saugatdahal14@gmail.com
www.saugatdahal.com • GitHub • LinkedIn

EDUCATION

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

SKILLS

Programming Languages: Python, HTML5, CSS3, JavaScript, Java, C, C++
Frameworks: jQuery, Bootstrap, Flask, Django, Node.js, React.js, Angular, React Native, Redux, SQLAlchemy
Platforms: WordPress, Woo-commerce, Linux, GitHub, AWS, Google Cloud, APIs, Web Services, Bash
Databases: MySQL, MongoDB, Postgres

WORK EXPERIENCE

Tarifica   **Manhattan, NY**
Software Engineer Intern (Python, Django, React)   *May 2019-Present*

- Build and manage APIs, data gathering scrapers, ETL pipelines in Python based environment.
- Develop a platform for data analyst to update the data promptly.
- 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.

Caldwell University   **Caldwell , NJ**
Senior Technical Assistant (WordPress, JavaScript)   *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 university events through creation of different responsive landing pages.

Hazelnut   **Caldwell, NJ**
Software Engineer Developer (Node.js, React, MySQL, AWS)   *Jan 2019- August 2019*

- 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 (development, stage and production) through distributed control version control system (Gitlab).
- Responsible for building and deploying landing website for Hazelnut using REACT.

Essex Fells Yacht Club   **Essex Fells, NJ**
IOT Development Intern (Python, Django, microPython, C)   *June 2018- August 2018*

- Developed hardware architecture for marine applications requirements, including GPS positioning inter-device communications using Bluetooth, WIFI, GSM, and end-user display on programmable LCD displays.
- Designed and coded mobile device software using microPython (Pycom) and C (Arduino).
- Built 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 displayed 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 ec2 instances, serving static content from Amazon S3 bucket.
    - More than forty-two users currently using the site for selling their books.
- **Web Application Party with us:**
    - Developed a website that allows the user to post parties in their houses.
    - Continuous integration and deployment of website (SERN stack) onto Heroku.