

-- Hari Dahal --

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EDUCATION

Rochester Institute of Technology (R.I.T.), **Bachelor of Science in Software Engineering**

Expected Graduation: December 2019, GPA: 3.52/4.0

RELATED WORK EXPERIENCE

Languages

Python
Ruby
Java
JavaScript
C

Software Co-op Engineer

CoverMyMeds – Cleveland, OH

Spring and Summer, 2018

- Developed project components (full stack), usually with a pair, using Ruby on rails on the backend, and React on the frontend
- Contributed significant amount of work to enable the end users to add and access questionnaires from a form, and be able to map those questions by dragging and dropping on PDF documents stored in Azure

Software Engineering Co-op/Intern

General Electric (GE) Aviation – Grand Rapids, MI

Fall, 2017

- Developed an object-oriented desktop application, written in C#, that equipped test operators to run various automated measurement tests
- Upgraded existing code to integrate new API
- Wrote software specifications, gathered requirements, performed software verifications, and participated in a complete software development life cycle

Software Engineer Intern

Eaton Corp. – Ephesus Lighting Inc. – Syracuse, NY

Summer, 2017

- Designed a system with an easy-to-use interface that would allow a user read the data from never used before technology, Near Field Communication (NFC), and write the data in a desired format
- Developed a desktop application combining an existing web application and mobile application from scratch that can pull data from cloud via a REST API and securely save in local database for offline access
- Released the web application written in python in a form of executable using several third party and open source libraries

Software Engineer Intern

American Greetings – Cleveland, OH

Summer, 2016

- Designed, developed, and documented a tool that enabled users with no programming background understand and validate HTML snippets. The tool utilized Python, BeautifulSoup, Bootstrap, and data structures like Stack.

RELEVANT PROJECTS

Music Player (iOS, Android, and Web)

download.meroapps.com | music.meroapps.com

- Rich User Interface with 1000+ users (700 downloads on iOS and over 1000 on android)
- Built using latest technology such as React for the web, and React Native for mobile platforms
- Tech Stack includes Ruby on Rails, Django, postgres, and React. All the containers run on customized mini-heroku - Dokku (the smallest Platform as a service)
- Both iOS and Android platform apps run smoothly with the help of CodePush deployments, and Google Firebase for authentication and crash analytics

Become Developer Initiative

BecomeDev.com

- Developing an educational platform to help interested individuals, targeted mainly Nepali-speaking students, learn fundamentals of Computer Science

Restaurant Web Application

kathmandukitchenandbar.com

- Built a Django-based web site using Python for Kathmandu Kitchen and Bar and deployed in Heroku
- Created a user friendly admin site to allow the the owner to manually change price or add food items
- Integrated Google Analytics, added necessary SEO keywords, and submitted the business to Google Maps

Google Foo Bar - Google's Hidden Challenge

- Solved various challenges by developing optimized solutions using algorithms such as Breadth-First Search (BFS), Depth-First Search (DFS), Backtracking, Dijkstra, and Bit Manipulation.

LEADERSHIP/ACADEMIC EXPERIENCE

- Member of Society of Software Engineers**

Fall, 2015 - Present

- Student Lab Instructor for CS 101 [Principles of Computing]**

Fall, 2016 - Spring 2017

Assist the professor by grading submitted labs and homework assignments
Responsible for assisting students on class topics, and support them during lab sessions

- Computer Science Tutor**

Fall, 2016 - Spring 2017

CS Mentoring Center and Higher Education Opportunity Program (HEOP)

Assist students taking computer science courses by helping them better understand class topics and support them with homework and lab assignments

Frameworks

Ruby on Rails: *ruby*
Django: *python*
React: *javascript*
React Native: *js*

Technologies

docker (dokku)
bash
linux
nginx
NFC
Google Firebase
Code Push
Azure

Speak

English,
Nepali, and
Hindi

Personal Projects

iOS: *Mero App Hub*
android: *Mero App*

Permanent address:

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