

Work Experience

Software Developer Intern / Geocent, LCC

May 2019 – December 2019

- Created Front End web pages using KnockoutJS and jQuery for the Louisiana National Guard Inventory system (PODIS).
- Created multiple APIs using n-tier architecture using ASP.NET Web API and Entity Framework for PODIS.
- Leveraged MVC design pattern to organize controllers, custom components, services, interceptors, and views.
- Optimized SQL query with stored procedures and table value functions using SQL profiler and indexing.

Intern Web Developer/ Evolution through the ages

October 2018 - May 2019

- Assisted the web development team in both back-end and front-end web development for the company's official website.
- Used MVC design pattern, Data driven programming model and PHP User frosting components for development and MySQL for database.

Residents Assistant/ Southeastern Louisiana University Housing

August 2017 - May 2019

- Created programs to enhance community, meet residents personal and academic needs, build positive relationships with residents, and create a safe environment where residents have opportunities to gain experience academically and socially.

Computer Clerk/ Southeastern Louisiana University Physical Plant Services

August 2016 - May 2017

- Worked on MS Excel/Access to digitize all the paper receipts, logs and purchase requisition generated by university physical plant.
- Assisted professional staff with issues such as updating software, setting up network, hardware replacement and maintenance.

Education

BS: Computer Science

Spring 2016 - Spring 2019

Southeastern Louisiana University, Hammond, LA-70402

Technical Skills

- **Programming Languages:** JavaScript, C#, React Js, Ruby, SQL, CSS, HTML, Java
- **Tools/Frameworks:** ASP.NET Core 2.1, ASP.NET MVC, Ruby on Rails, PHP user frosting
- **Databases:** MySQL, MS SQL, Postgres, SQLite, MongoDB
- **Development Tools:** Visual Studio, Visual Studio Code, Eclipse, JetBrains Rider

Leadership

- Southeastern Undergraduate Mathematics Society: Webmaster
- Student Government Association: General Member
- Association for Computing Machinery: Active Member

Language Skills

- Professional working proficiency in English, Nepali and Hindi

Projects

- **RHA E-commerce Website (CMPS 285):** Ecommerce website for an on-campus housing organization. Fully responsive based on ASP.NET MVC. User features included: Email verification, authentication , PayPal payment integration. Technology used HTML/CSS , Bootstrap, C# , MS SQL on ASP.NET MVC 5.
- **Ghadi Smartwatch:** A group-built smartwatch based on Arduino mini. Connects to a smartphone using a custom-built android app via Bluetooth. Features include date time functionality, SMS and other smartphones notification, RSS feed and weather update. Battery Capacity 500mah and wireless charging.
- **Book Trade:** A web application that helps students to trade old books with each other. Built on Ruby Rails Framework based MVC architecture. Front-end done in HTML/CSS, JavaScript. SQLite for querying and database. Devise gems used for authentication.
- **ESP receivable Management:** A modern replacement for an existing legacy Enterprise System for ESP receivable Management, a Commercial Collection Agencies based in Mandeville, LA. Web app based on ASP.NET Core framework. Custom Architecture with Restful API. React JS on the backend with Ant UI framework. MySQL on database.
- **Spoken Past (CMPS 412- Capstone 2):** A web app to record and store your oral histories and quickly share with other people. Based on ASP.NET core web API with PostgreSQL database. Onion Architecture design patterns. Also used AutoMapper for mapping, Simple Injector for dependency injection and FakeItEasy to help code the backend and OData for querying (paging, filtering, sorting) the database.