Sujan Shrestha

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Education

Aug. 2014 – May 2018	University of Nebraska at Kearney, Bachelor's degree in Comprehensive Computer Science (CS) Cumulative GPA of 3.925/4.00
Aug.2019– Present	University of Nebraska Lincoln, Master's in Computer science and Engineering

Experience

Jan 2020 – Present	**Research Software Engineer** at University of Nebraska Lincoln. Currently, developing a **data simulation and visualization** web application for the Department of Agronomy at UNL to help farmers increase the productivity in farming in Nebraska. (Html, jQuery, CSS, D3js, Java, JS, Angular, Spring)
Aug 2019 – Present	**Graduate Teaching Assistant** at University of Nebraska Lincoln. Teach **C-Programming** and basic Linux commands. Supervised coding sessions for **OS programming**.
July 2018 – Jan2019	**Web Software Developer** at "The Buckle". **Refactored legacy codes**, performed spring boot 2 upgrades, wrote several **micro-services**, created **rundeck jobs,** and several MYSQL scripts to interact with the main database, wrote countless Junit tests, moved legacy Z drive storage to **AWS S3**, fixed them, and deployed codes to production, worked heavily on the front-end as well as backend of the company's main website.
May 2018 – July 2018	**Web Software Developer intern** at the Buckle. Learned software development workflow, closely worked on an application called raptor that aided in decision making of moving inventories across USA for better sales.

Skills

Familiarity with several different Programming Languages and Technologies

Java - available in GitHub – Username: shrestha94sujan

- Currently working on **a decision support tool** for the Department of Agronomy at UNL**.**
- Created **a micro service with elastic search queries** to increase the search performance of commercial websites.
- Created **inventory manager** software for University of Nebraska to track all inventories.

- Created a **Machine Learning model comparison** tool (Machine Learning Hardware project)
- Developed a **geo-social media website** (Client-Side Web development)

Python – Developed a full stack software with NoSQL database backend (using **Flask, D3Js, Django**) **C, C#, C++ –** Create a **virtual memory manager** using page tables and TLD for better efficiency.
Android - Developed a **commercial** android app for (**Nebraska Water Department - 500+ users**)
MySQL - Developed many relational databases **as part of inventory management for UNK**
Proficient in MongoDb, JavaScript, jQuery, CSS, HTML, JSP, Vue.JS, Angular.JS, D3Js, P5.JS, Thyme leaf, Postman, Docker, Rundeck, Jenkins, AWS, Spring boot, Gradle, Maven, Agile development, Jenkins, Kibana, JVM.

Achievements

Buckle **Excellence Scholarship** recipient for outstanding CS students (2016-2017)
Full-Ride at University of Nebraska for Undergrad and Grad **Oracle**
Certified, **Java SE 8 programmer 2019**