

# 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	<b>Research Software Engineer</b> at University of Nebraska Lincoln. Currently, developing a <b>data simulation and visualization</b> 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	<b>Graduate Teaching Assistant</b> at University of Nebraska Lincoln. Teach <b>C-Programming</b> and basic Linux commands. Supervised coding sessions for <b>OS programming</b> .
July 2018 – Jan 2019	<b>Web Software Developer</b> at "The Buckle". <b>Refactored legacy codes</b> , performed spring boot 2 upgrades, wrote several <b>micro-services</b> , created <b>rundeck jobs</b> , and several MYSQL scripts to interact with the main database, wrote countless Junit tests, moved legacy Z drive storage to <b>AWS S3</b> , 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	<b>Web Software Developer intern</b> 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**