

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– Dec 2021 University of Nebraska Lincoln, Master's in Computer science and Engineering

Experience

- Jan 2020 – Present **Research Software Engineer** at University of Nebraska Lincoln. Developed a **full stack data simulation and visualization** web application for UNL to help farmers increase the productivity in farming in Nebraska. Updated Logging Services to ELK stack. Executed Server management role for the back-end services. Languages used: - **Html, jQuery, CSS, D3js, Java, Python, JS, Angular, Spring, Cloud Computing** etc.
- Aug 2019 – Present **Graduate Teaching Assistant** at University of Nebraska Lincoln. Taught **C-Programming** and Linux commands and supervised coding sessions for **OS programming**. Languages used: - **C, C#, C++**.
- July 2018 – Jan2019 **Web Software Developer** at "Buckle". Refactored legacy codes, performed spring boot 2 upgrades, wrote several micro-services, createdrundeck 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. Languages used: - **Java, MySQL, PostgreSQL, Python, Vue, jQuery, VanillaJs, thyme leaf, JSP, jQuery, ELK stack, Spring** etc.
- May 2018 – July 2018 **Web Software Developer intern** at the Buckle. Learned software development workflow and **SDLC**, worked closely on an application that aided in decision making process of moving inventories across USA for increasing sales across USA.

Projects

Java - available in GitHub – Username: shrestha94sujan

- **Nebraska decision support tool** to increase the crop productivity in Nebraska, University of Nebraska-Lincoln.
- **Micro services** with elastic search queries to increase the search performance of company's websites (**Buckle**).
- **Inventory manager** application to track all inventories with **MySQL** database, **University of Nebraska**.
- **Geo-social media website** with messaging services (Client-Side Web development Project)

Python

- **Water Academy** to educate 500+ users about their daily water habits. (Nebraska Water Leaders Inc.)
- **Machine Learning Model** model comparison using Flask, D3Js, ChartJs.

C, C#, C++ - **Virtual memory manager** to simulate Operating System memory management.

Skills

Proficient in Mongo DB, MySQL, PostgreSQL, 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