

SHASHWATI SHRADHA

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EDUCATION

South Dakota School of Mines and Technology, Rapid City, SD
B.S. in Computer Science and Applied & Computational Mathematics

Expected Graduation Date: **December 2020**
GPA: 3.94 / 4

EXPERIENCES

Lyft Inc., Software Engineering Intern

June 2020 – July 2020

Safety & Customer Care Data Engineering

San Francisco, CA

- Designed a data pipeline to collect incoming data volume by gaining an end-to-end understanding of backend services from cross-functional teams. This improved data freshness for chat data from 24-hours to 1-hour.
- Collected missing data from APIs using GraphQL in Go language and created real-time dashboard for stakeholders.

Hewlett Packard Enterprise, Software Engineering Intern

May 2019 – December 2019

Hybrid Cloud Software and Services

Fort Collins, CO

- Improved the testing coverage of a REST API for a cloud service from 13% to 73% in Go language.
- Implemented monitoring features to visualize system performance in real time and detect anomalous behavior.

Raven Industries Inc., Software Engineering Intern

May 2018 – December 2018

Applied Technology Division

Sioux Falls, SD

- Expanded sale opportunities by enhancing the UI for one of the most demanded features using QML.
- Developed an application using C++ which reduced testing, building, and development time.

PROJECTS

Spotify Road Trip Playlist Generator Website

August 2020 – Present

- Developing a website that generates a playlist for a road trip on Spotify based on the states and cities on the route using Google Maps and Spotify API. The website is developed using HTML, CSS, JavaScript, and Python.
- Gathering data using web scrapping, exploring spatial search algorithms, and using user data to make the playlist.

FourFront Design Inc., Part-time Student Developer

September 2019 – May 2020

Senior Class Project

Rapid City, SD

- Created an autofill software to extract texts from images using Google Vision and fill 50% of the Microsoft Access Database with up to 75% accuracy using machine learning and python.
- Developed a C# .NET desktop application to enter and verify auto filled text from images to reduce error.
- The database had over a million images. Auto filling data saved 7 hours per 1000 images.

SKILLS

Primary Programming Languages: C++, Go, Java, Python

Familiar with C#, SQL, Presto, C, R, Scala, Bash

Web Technologies: HTML, CSS, JavaScript, PHP

Experience with Git, MySQL, Android, GraphQL, Kubernetes

ACTIVITIES

National Undergraduate Statistics Project Competition 2019

Second Place, Research Project Category

MinneMUDAC Data Analysis Competition 2019

First Place, Undergraduate Category

SDSM&T 10th Annual Research Symposium 2019

First Place, Undergraduate Presentation

PUBLICATION

Kyle Caudle, Randy C. Hoover, Aaron Alphonsus, Shashwati Shradha, "Advanced Decision Making and Interpretability through Neural Shrubs", 18th IEEE International Conference on Machine Learning and Application, December 2019.