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, Minor in Robotics
GPA: 3.95/4.0 **Expected Graduation Date: December 2020**

Relevant Courses: Data Structures & Algorithms, Software Engineering, Programming Languages, Parallel Computing, Database Management System, Data Analysis

Honors: School of Mines Scholar, Math and Computer Science Departmental Scholar, Tau Beta Pi Scholar, Dean's List, Microsoft ACM Programming Team Development Scholar, Fomento Scholar

EXPERIENCES

Math Undergraduate Researcher, *SDSM&T* *January 2019 - present*
- Conducting a research under Dr. Kyle Caudle and Dr. Randy Hoover
- Focusing on machine learning to improve predictive modeling in Python and R

Student Researcher, *SDSM&T* *January 2019 - present*
- Developed an Android application which allows users to create accounts, login, and logout
- Collected, analyzed, and used biometric data to improve user authentication

Software Engineer Intern, *Raven Industries Inc.* *May 2018 – December 2018*
- Developed an emulator in C++ which improved development, and testing time
- Designed the UI in QML for Auxiliary Controls to control multiple devices on one screen

Teaching Assistant, *SDSM&T* *January 2017 – May 2018*
- Supervised CSC 170 labs consisting of 30 students
- Edited, debugged, and graded C assignments

PROJECTS

Personal Website *January 2019*
- Built an interactive online portfolio using *HTML/CSS/JavaScript* and *JQuery* framework

Letter Scramble Game *January 2019*
- Created a word game with graphic interface using *Python*

Login server *November 2018*
- Created a real-time login server using *Go Language* that shows a list of active users

COMPUTER SKILLS

Primary Programming Languages: C++, Java, Python, C **OS:** Linux, Windows, Android
Web skills: HTML, CSS, JavaScript, PHP, JQuery **Tools:** Git, MySQL, Anaconda, VS Code, Qt Creator
Familiar with QML, Scala, Bash, Go, SQL, R, Arm Assembly, CUDA

ACTIVITIES

- SDSM&T Programming Team, **North Central NA Regional Contest, 2017** *28th out of 207 teams*
- Midwest Undergraduate Data Analysis Competition *Spring 2019*
- SDSM&T Putnam Mathematical Competition Team *Fall 2018*
- Tau Beta Pi Honor Society *Spring 2018*

LEADERSHIP

- Association of Computing Machinery Chapter (ACM) *Chapter Secretary*
- Student Success Peer Mentor *August 2018 – present*
- International Peer Mentor *May 2017 – present*
- Mines Advantage *Completed*