‍‍Sandesh Timilsina

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Education

**Bachelor of Science in Computer Science and Mathematics** Expected Dec 2020

The University of New Mexico (UNM), Albuquerque, NM **GPA 3.89**

Skills & Abilities

COMPUTER SKILLS

* Proficient in Java, C, Linux, Python, mysql, Haskell, HTML, CSS, JavaScript.
* Familiar with supervised and unsupervised learning, SAS, Amazon Web Service, React, React Native.
* Proficient in Microsoft Word, Excel, Acrobat, and Powerpoint
* In-Class Projects completed using Java: Online Auction (with sockets), Scrabble, Dominos, Connect-four, NewyorkTimes Tile.
* Leisure Projects completed using Javascript: Covid-19, Connect-Four, Break-Ball, Five-Field-Kono (flutter)
* https://github.com/sandesh139

Professional Experience

UnderGraduAte Research assistant | Center FOR HIGH TECHNOLOGY MATERIAL, University of New mexico | August 2019- Current

* Evaluated the scaling behavior of Anderson localization in an off-diagonally disordered random network (nearest neighbor coupling Hamiltonian) using random matrices.
* Calculated the eigenvectors of ultra-large random matrices and evaluated two different localization metrics on the eigenvectors to calculate the probability density function of network localization.
* Optimized algorithms to achieve the best efficiency and address memory issues in a large-scale linear algebra problem.
* The work was partially supported by grants from DoD, ARO and NSF.

Student technical Assistant | Center FOR HIGH TECHNOLOGY MATERIAL, University of New mexico | january 2020- Current

* Updated C scripts monitoring Symantec backup to adapt to a new Veritas system by reviewing logs and performing validation checks.
* Created an interactive web application from scratch using javascript, htaccess from apache, css and html.
* Performed automated system monitoring using Nagios and fixed systems, services and hardware alerts.

Tutor | CENTER FOR ACADEMIC PROGRAM SUPPORT, University of New Mexico| january 2019 – JanUary 2020

* Tutored General Physics, Numerical Computing, Statistics, Ordinary Differential Equations, linear Algebra, and Calculus.
* Developed critical thinking and problem-solving skills while approaching the challenging questions brought by the students.
* Enhanced communication skills through weekly-training and tutoring experiences.
* Gained time management and customer service skills from training and experience.

Cashier| Subway, University of New Mexico| September 2018- December 2018

* Developed time management, customer service, and teamwork skills.

Achievements

* Winning team of CTSC Health Science Hackathon 2020
* Navigation System Inside UNM Hospital project received the fund of $9,873
* Amigo Scholarship, UNM