Deepak Ghimirey
United States Citizen
https://www.linkedin.com/in/deepak-ghimirey-34a293192/
Email: ghimire3@msu.edu
Phone: 312-934-5629

EDUCATION

Michigan State University ***Lansing, MI***
Bachelor of Science, Computational Mathematics and Data Science, minor Computer Science, (GPA:3.2) ***Spring 2021***
Relevant Coursework: CMSE (Computational Mathematics Science and Engineering): Computational modeling using Pandas library in Python, Introduction to Data Science using R Studio, Algorithms and Data Structures (Python), Intro to C++, Numerical Analysis I and II, Fundamentals of Data Science Methods, Methods for Parallel Computing, Intro to Artificial Intelligence, Intro to Machine Learning, Probability and Statistics I, II: Probability, Calculus: I, II, III, IV.

SKILLS

Software: Software: MS Word, PowerPoint, Excel, Python, C++, R Studio, HTML, CSS, SQL, MATLAB.
Personal Websites: https://deepak768.github.io/Website/deepak.html?fbclid=IwAR1qRJOn6aRGoa3-K5RvanpDcey3MRxobcyyZ00qEyggrfU8Q--VkRaeDFE#home. (created to learn about HTML and CSS)
Communication: Proficient in English, Nepali, and Hindi.

ACADEMIC PROJECT EXPERIENCES

Data Science Related Projects: ***Spring 2020***
Project01: Housing data sets**:**

- Used linear regression, gradient boosting, and random forest to get the best fit and get the most accurate result.

Project02: Cereal data sets and image processing**:**

- Develop a model, based on linear regression, of some of the cereal properties and their rating.
- Get some basic experience with Image Processing using panda's library.

Project03: Wine data sets:

- working with the wine dataset and building a k-nearest neighbors classifier class.

Project04: Olympic medals data sets:

- working with the data of Olympic medals won by Team USA. Learned about sorting data in a data frame, building and evaluating a logistic regression model, and writing python classes.

Project05: Flint, MI Water Crisis:

- looked at the effect of iron level of residents using quantitative analysis with R Studio.
- More specifically, focused on the young residents of Flint, MI.

Programming projects: ***Fall 2017 – Spring 2021***

- Intro C++: https://github.com/Deepak768/MSU_CSE_232
- Algorithms and Data Structures: Python Linear data structures, trees, graphs, and algorithms which operate on them. Fundamental algorithms for searching, sorting, string matching, graph problems. Design and analysis of algorithms.

PROFESSIONAL AND VOLUNTEER EXPEREINCE

Michigan State University: ***East Lansing, MI***
*Mathematics Tutor/Teaching Assistant**:*** ***Fall. 2019 – Spring 2021***

- Taught students at recitation and gave quizzes.
- Graded student's assignments and gave them feedback.
- Tutored students at Math Learning Center for 10 hours a week
- Proctored exams**.**

Blue Cross Blue Shield of Michigan: ***Detroit, MI***
*Data Science Intern**:*** ***Summer 2020***

- Cancelled due to Covid-19.

Meijer Pharmacy: ***Lansing, MI***
*Pharmacy Technician**:*** ***June 2018– 2019***

- Accepted written prescriptions or refill requests from patients and evaluated information for completeness and accuracy.
- Recorded medical histories while maintaining confidentiality and compliance with HIPAA regulations.
- Counted prescription medication, filling prescriptions, and typing and attaching medication labels.
- Performed inventory audits and purchasing supplies and medication.
- Processed patient insurance.

Sparrow Hospital ***Lansing, MI***
Student Volunteer, Department of Oncology ***June 2016 – Aug 2018***

- Assisted nurses and medical staffs with filling up supplies and general housekeeping/cleaning activities.
- Accommodated patient needs by escorting them to their relatives, making sure they had all essential supplies, and monitoring their health conditions in the waiting room.
- Worked as part of a diverse group of healthcare team to promote healthy behavior and awareness.

ESL Tutor at Everett High School, 4 hours/week ***Fall 2015- 2017***

- Tutoring high school students with Math and Science.
- Translated for newly arrived refugees and helped them assimilate to school surroundings.
- Helped them with transportations.