Phalgun Taman

University of Colorado at Boulder – B.S. in Computer Science 2018 - 2022 | phalgun.taman@colorado.edu | GPA: 3.55 | CS GPA: 3.73
linkedin.com/in/phalguntaman/ | https://github.com/phalgunt?tab=repositories

Technical Skills

Programming Languages: C, C++, Python, R, SQL, JavaScript, Java, C#, Node.js, Scala, HTML, CSS, Kotlin
Database: Oracle Database, PostgreSQL, MySQL, MongoDB, Apache Cassandra
Version Control: Git, Bitbucket
Machine Learning/Big Data: NumPy, Pandas, Scikit-Learn, Seaborn, Matplotlib, TensorFlow, Hadoop, Hive, Apache Spark, Apache Kafka

Experience

Discrete Math Course Assistant — CU Boulder *(Boulder, CO)*   Aug 2021— Dec 2021

- Assisted students in a discrete math course which covers concepts such as set theory, boolean algebra, propositional and predicate calculus, proofs, mathematical induction, and recurrence relations
- Organized weekly review sessions that lead to an increase in student performance on quizzes and exams

Junior Developer Intern — FINRA *(Rockville, MD)*   May 2021— Aug 2021

- Developed application using Java framework to update the regulations for various financial institutions
- Developed PL/SQL queries for Power BI tool and created reports using Power BI
- Performed back-end validations using R programming language
- Used Jenkins to run backend reports and configured it to generate results report
- Understood basic concepts of microservices, Kubernetes, and Docker

Software Development Course Assistant — CU Boulder *(Boulder, CO)*   Aug 2020 — Dec 2020

- Assisted students in developmental concepts and tools such as relational database designing, front/back-end development, web services, and APIs
- Helped students gain familiarity with Java programming language

Projects

Movie Recommendation System | Python, Pandas, NumPy, Scikit-learn, Seaborn, SciPy

- Developed a Netflix movie recommendation system based on user ratings and movie ratings
- Implemented using K-Nearest Neighbor algorithm

Rainfall Predictor | Python, Pandas, NumPy, Matplotlib

- Used a combination of weather features to determine the amount of rainfall for cities across Australia
- Achieved approximately 60% accuracy in computing the amount of rainfall

GPS Navigation Map | PostgreSQL, Node.js, AWS, HTML, CSS, JavaScript

- Created a web application for an indoor GPS navigation tool for the engineering center on the CU Boulder campus

Weather Forecast Map | HTML, CSS, JavaScript, Web Services/Rest API

- Designed and developed a web application to show the weather forecast across North America
- Implemented web services to capture the real time weather data

Certifications

LinkedIn: Learning Hadoop, LinkedIn: Android Development Essential Training