

# SHRADDHA DHUNGANA

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## COMPUTER SKILLS

**Languages:** C, C++, Java, Python, Javascript, HTML5, CSS

**Database System:** SQL, NoSQL

## CERTIFICATIONS

Agile methodology, Azure Data Fundamentals

## TOOLS EXPERIENCE

Katalon Studio, React Framework, Eclipse, Netbeans, VS Code, Wireshark, MS project, MS Office, Gitlab, Github, Flutter, Trello Board, EcEmma, SonarLint, Jdeodrant, PITclipse

## ACADEMIC PROJECTS/SEMINARS

- Designed and implemented music website for recommending songs of similar preferences, API integration with spotify, organized user stories and tracked the project using Trello board, executed agile method for software development process.
- Designed database software using MySql for a nursing home ( a real business)
- Creation of car detailing Centre/webpage by using React framework and mySQL database.
- Improved Gaming Program by creating J-Unit test cases and mutation testing by creating mutants and killing the mutants, refactoring the code by using different eclipse Plugins like sonarLint, Jdeodrant, EcEmma, PITclipse.
- Build interface for Car Rental Program.
- Crime rate analysis against transit choice (Discrete choice model) based on four counties in Seattle, Washington.
- Wellness Activity against lifecycle (Duration Choice model) based on travel duration.
- Research on Investigating the relationship between HP, and fuel economy in vehicles creating Linear regression model, clustering Analysis, Discrete Analysis, and Corelation Analysis
- Built Chatbot for Music Recommendation Website

## PROFESSIONAL EXPERIENCE

**BITIconic Pvt Ltd | Kathmandu, Nepal**

Jun 2022 - Aug 2022

**Online Remote Intern Developer**

- Developed cross-platform mobile applications using Flutter framework in a remote setting, resulting in efficient and visually appealing user interfaces .
- Implemented state management using Flutter Provider remotely to enhance the application's responsiveness and user experience.
- Participated in database design and management remotely, creating and maintaining relational database structures for flutter application.
- Worked in an Agile team environment remotely, actively participating in daily stand-ups, sprint planning, code reviews through virtual collaboration tools, fostering effective project management and teamwork.

**Seneca Valley Dental | Germantown, Maryland**

Mar 2021 - Oct 2021

**Dental Assistant**

- Assisted dentist in four-handed dentistry.
- Assisted patients with scheduling appointments, billing and maintaining dental records. Also verifying the insurance coverage.
- Managed the inventories and undertook the lab tasks.
- Organized and sterilized the dental instruments, and prepared the treatment rooms for the specific procedure.

**BCPI | Gaithersburg, Maryland**

Jul 2019- Mar 2021

**Data Entry Clerk**

- Maintained database by the updated information of the clients.
- Transferred data from paper formats to the computer storage by printing, scanning and downloading .
- Organize and categorize data files in a logical and accessible manner for easy retrieval.
- Identify and correct errors or discrepancies in the existing data to improve data quality.

## SCHOLARSHIPS

- Awarded competitive scholarship-Towson university.
- Stem Scholars Program.
- Awarded central sector scholarship from federal (Nepal) government in high school.

## EDUCATION

**Towson University | Towson, MD**

Aug 2021 - May 2023

- Bachelor of Engineering, Computer Science
- Web development, Data Structures and Algorithm, Software Engineering, Object-Oriented Programming, Database Management System, Operating System, Networking Fundamentals, Software Quality Assurance and testing

**Montgomery College | Rockville, MD**

Jan 2018 - May 2021

- A.A program under Montgomery College

## LANGUAGES

- Fluent in English.
- Other languages: Hindi, Nepali, Urdu