Utsav Dhungel

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EDUCATION

Southern Illinois University, Carbondale, Illinois

Major: Computer Science

Minor: Mathematics

GPA- 3.86/4.0

Expected **Graduation** : **Spring 2018**

COMPUTER LANGUAGES AND TECHNOLOGIES

Programming Languages	**Other tools and technologies**
Proficiency : Java, C, SQL, JavaScript, PHP	Operating Systems: Linux, Windows
Basic Proficiency : Bash, R, RUBY, Python	Development Environments: Cherwell ITSM, Unity Engine, Blender 3d
Familiar with: NASM,	Other: HTML/HTML5, CSS

EXPERIENCE

▪ **SIU Information Technology** (December 2014 - May 2016)
- Designed and Managed Front End and Back End Functionality of Websites using **JavaScript/jQuery, Bootstrap, Node.js, PHP, MySQL, CSS** and **HTML5.**
- Experience with **Unity Game Engine** and **Blender 3D Modeling Software**.
- Designed and Developed **3-D Map Application** for Windows Machine of Faner Hall at SIU Campus.

▪ **SIU Information Technology** (August 2016-Present)
- Used **Cherwell ITSM Software** to Design and Implement various **Forms** for University.
- Managed **Front End** designing and **Back End** Workflow of the forms using Cherwell.

PROJECTS

▪ **GREP Command**
- Implemented a subset of the UNIX command: grep using standard **C library** in **Geany.**

▪ **Binary Search Tree Text Analyzer**
- Designed and developed a **BST** from scratch in **Java** using **Eclipse IDE** and performed text analysis(sort by frequency, lexicographically) on Moby Dick

▪ **First Readers-Writers Problem**
- Implemented multi threaded/processes programs called **First Readers-Writers** problem in **C** using **Geany.**

▪ **Hash Function in Java**
- Implemented Hash Function (Simple Hashing, Cyclic Shift, Polynomial, Double Hashing) in **Java** using **Eclipse IDE**.

▪ **Post-Fix Calculator**
- Designed **postfix calculator** in **Java** using **Eclipse IDE**.

▪ **Black Jack in Java**
- Created the black jack card game using Eclipse IDE in Java
- Used Concept of Object Oriented Programming (OOP).

LEADERSHIP

▪ Association for Computing Machinery (ACM), SIU Student Chapter Member (January 2015 – Present)

▪ Nepalese Student Society, Social Chair (August 2015 – Present)

Honors and Awards:

- **SIU High Achiever Award** (Fall 2014 - Spring 2018) – **$50000** scholarship over four years.
- **International Students Merit Award(Fall2015 - Present)** – **$2500** per semester
- Dean's List (Fall 2014, Spring 2015, Fall 2015,Spring 2016)

RELEVANT COURSEWORK

▪ Programming with Data Structure	▪ Discrete Mathematics
▪ Linux/UNIX Programming	▪ Operating Systems
▪ Design and Analysis of Algorithm	▪ Internet and Mobile Computing
▪ Web Application Development	▪ Computer Organization and Design