

BIMAL BIKRAM KARKI

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EDUCATION

Texas Tech University-Whitacre College of Engineering
Bachelor of Science-Computer Science

Expected Graduation: May 2021
Cumulative GPA: 3.74

Relevant Course Work: Software Engineering, Design and Analysis of Algorithm, Object Oriented Programming, Calculus (I, II, III), Physics(I,II), Statistics for Engineers, Database, Operating Systems, Data Mining

PROJECTS

- Ride Sharing App** (Project member) 2019-present
- Designed and implemented an App by implementing Object Oriented Structure by using Agile methodology.
 - Use of Google firebase for database, Google Map API and Android Studio for User Interface.
- Number guessing game** Spring 2018
- Designed a number guessing game in MIPS architecture, which allows user to guess the number and the game continues until user gets it right.
 - Implemented the core knowledge of low-level language (Assembly Language), iteration process in low level language and direct link between hardware and software.
- Game in java** Fall 2019
- Designed and implemented a brick breaking game in java using Swing.
- Chess Game** Fall 2018
- Designed a simple chess game in C++ using vectors and minimax algorithm.

Technical Skills

- Proficient:** C, C++, Java, Python, NumPy, Pandas, JavaScript, GitHub, Git, Visual Studio, Android Studio
- Familiar:** R, IntelliJ, Eclipse, AWS, Octave, Shell script, HTML, CSS, Agile

Work Experience

- Texas Tech Undergraduate Researcher| CS Department** Lubbock, TX
- Design a website and used machine learning algorithm to read transcript and provide the best material to distance learning students.
 - Research on loss function and optimization technique for building Convolutional Neural Network model.
 - Training and Evaluation of Neural Network Classifier by adjusting parameters and training dataset.

TTU HOSPITALITY SERVICE

Lubbock, TX

- Collaborate and communicate with fellow workers and specialize in customer service
- Worked 20 hours/week under managerial supervision

Awards and Honors

- Presidential Merit Scholarship: \$22,000 renewable up to four years
- President's List (Spring 2018)
- Dean's List (Spring Fall 2017, 2018, Fall 2018)

Membership

Nepalese Student Association	Association for Computer Machinery
Developers Student Association	Artificial Intelligence Initiative