PRABESH HUMAGAIN

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Technical Skills

Programming Languages: Java, Python, JavaScript, C/C++, MongoDB, HTML5
Tools and Technologies: ReactJS, Node.js, Express, Azure DevOps, RESTful API, Android Studio, Git, Gtk+/Gtkmm

Relevant Experience

University of Texas at Arlington, Arlington, TX
Web Developer at the Office of Information Technology   **November 2019 - Present**
Create and manage the Office of Information Technology, Human Resources, Resources, Business Affairs, and Help sites on Cascade and Sitecore using HTML5, CSS, JavaScript.
Maintain the database of all the legal documents related to Forms and Policies and Procedures in the Resources site.
Manage the project sites and their workflows and perform timely updates on the Office of Information Technology Project sites collaborating with the Project Managers.
Improve the web accessibility of the Office of Information Technology, Human Resources, and the Business Affairs sites.

Education

The University of Texas at Arlington, Arlington   May 2023
Bachelor of Science, Computer Science (Dean's List)   3.94

Projects

Flashcard: An android application that allows user to create a flashcard to help remember **February 2021 – In Progress** the study terminology. It is built using Java and SQLite.
Performance Tracker: An android application to measure the daily performance level. Its **February 2021 – In Progress** frontend is written using XML and Java, and Firebase is used as a cloud service to host the backend services like Authentication, Database and so on.
Deans Engineering Challenge Project for Smart City: An Artificial Neural Network model to **March 2021 – April 2021** analyze the weather pattern in Arlington Region and predict the average solar radiation and wind speed to improve the efficiency of non-renewable energy source.
Device Monitor: A web application built using Python (Flask and OpenCV frameworks) to **August 2020** host the live video feed services over the same network using the raspberry pi. The application could be useful to watch your child / elderly person at your home while you are outside.

Relevant Coursework

Algorithms and Data Structures, *CSE3318*
Fundamental of Software Engineering, *CSE3310*
Computer Organization and Assembly Language Programming, *CSE2312*
Introduction to Object Oriented Programming, *CSE 1325*
Embedded Programming, *EE1311*

Achievements

Nominated to the University of Texas at Arlington Outstanding Student Employee of the Year 2021 for an exceptional service as an employee to the University.
Received the Maverick Academic Excellence Award and the Shahrzad Amirani Endowed Scholarship
Honorable Mentioning in the Deans Engineering Challenge to make Arlington a Smart City, 2020
Represented Nepal as the Contestant 3rd in 59th International Mathematics Olympiad, Romania, 2019

Clubs and Organizations

UTA Rover Team, UTA – Member   **February 2021 – Present**
Nepalese Student Association, UTA – *Event Planner, Graphic Designer*   **September 2019 – October 2020**
Freshman Leadership on Campus, UTA – *Member*   **January 2020 – March 2020**