

PRABESH HUMAGAIN

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EDUCATION

The University of Texas at Arlington , Arlington	May 2023
Bachelor of Science , Computer Science (<i>Dean's List</i>) Honors College	GPA: 3.96

TECHNICAL SKILLS

Programming Languages: Java, Python, C/C++, JavaScript, MongoDB, HTML5, CSS

Tools and Technologies: React, Node.js, Express, RESTful API, Azure DevOps, Android Studio, Git, Gtk/Gtk+, LabView, NI Multisim

RELEVANT EXPERIENCE

The 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, Business Affairs, and the Help sites on Cascade and Sitecore.
- Build the Web Crawling and Web Scrapping tools to maintain the database of all the legal documents related to Forms and Policies and Procedures.
- 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.
- Perform Regression Testing for Sitecore using Azure DevOps.

PROJECTS

Performance Tracker: Performance Tracker is an android app built to help improve user's productivity level. One of the core concepts is to allow the user to add different priorities of task and help them complete those tasks on time using the idea of 'streak points', which can also be shared among the colleagues. The app is written using Java, and Firebase is used to handle all backend services and maintaining database.

Flashcard: An android application that allows user to create a flashcard to help remember the study terminology. It is built using Java and SQLite.

To-Do List: A simple web application to visualize the number of tasks completed. Its frontend is written using React and Material-UI, while backend is managed using Express, Node.js and MongoDB.

Deans Engineering Challenge Project for the Smart City: An Artificial Neural Network model to analyze the weather pattern in Arlington Region and predict the average solar radiation and wind speed to improve the efficiency of solar panels and wind turbine for an alternative clean energy. The project was written using Python (TensorFlow).

RELEVANT COURSEWORKS

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

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 Shahrzad Amirani Endowed Scholarship for the Academic Year 2020-2021.
- 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.
- Received the Highest Maverick Academic Excellence Award for undergraduate program, 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