

PRABESH HUMAGAIN

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EDUCATION

The University of Texas at Arlington, Arlington
Bachelor of Science, Computer Science | Honors College

May 2023
GPA 3.94

TECHNICAL SKILLS

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

Tools and Technologies: React, Azure DevOps, Bootstrap, Express, Node.js, RESTful API, Git, TensorFlow

RELEVANT EXPERIENCE

The University of Texas at Arlington, Arlington, TX

Web Developer at the Office of Information Technology

November 2019 – Present

- Create Office of Information Technology Project Pages utilizing HTML5, CSS, JavaScript, and PHP on Cascade CMS
- Prepare training materials, videos and graphics using Adobe Creative Cloud, HTML5, and Bootstrap3
- Improve web accessibility for Business-Affairs and Office of Information Technology (OIT) sites
- Analyze the impacts of upgrading software systems and work on the project based on their lifecycle
- Perform Regression Testing on Sitecore using Azure DevOps Tools
- Build Web Crawler and Web Scraper using Python (Requests and BeautifulSoup) to map the UT Arlington site and also maintain the database of all the PDF, Docx, and Excel files.
- Write a Python script to convert DOCX, PPTX, XLSX files to PDF and upload them on the server
- Improve the web accessibility of the OIT and the Business Affairs web sites

PROJECTS

MANGA Manager: A

Performance Tracker: A performance level monitoring web application – frontend written using React and Material-UI, backend written using Express, Node.js and MongoDB; used Azure DevOps to create CI/CD pipeline for the frontend and Azure Web App Service for the backend

Deans Engineering Challenge for Smart City: Python (TensorFlow) project that uses Artificial Neural Network Model to predict the amount of radiation incident in Arlington Region to analyze the feasibility of hybrid structure of solar panel and windmill as an alternative source of energy with the goal to make Arlington a smart city.

Weather-Wiz: Python project using Requests, BeautifulSoup, Matplotlib and Pandas libraries, to create the database of weather info of Arlington scrapped off the site from the past 20 years to analyze the weather change in Arlington region.

RELEVANT COURSEWORKS

Intermediate Programming with C (CSE1320), Embedded Programming in C (EE1311), Object Oriented Programming in C++ and Java (CSE 1325), Discrete Structures (CSE2315), Computer Organization and Assembly Language Programming (CSE2312), Fundamentals of Software Engineering (CSE3310), Algorithms and Data Structures (CSE3318), Linear Algebra (CSE3380)

ACHIEVEMENTS

- 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
- Ranked in Top 6 position in National Mathematics Olympiad organized by Mathematics Olympiad of Nepal, 2018

CLUBS AND ORGANIZATIONS

Cyber Security Club, UTA – *Member*

November 2019 – Present

Nepalese Student Association, UTA – *Event Planner, Graphic Designer*

September 2019 – October 2020

Freshman Leadership on Campus, UTA – *Member*

January 2020 – March 2020