

Prabesh Humagain

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EDUCATION

University of Texas at Arlington, Arlington, TX May 2023

Bachelor of Science, Computer Science, **GPA: 3.96/4.0**

Relevant Coursework: Algorithm and Data Structure, Fundamental of Software Engineering, Computer Organization and Assembly Language Programming, Introduction to Object Oriented Programming

TECHNICAL SKILLS

Programming Languages: Java, Python, C/C++, JavaScript, HTML, CSS, JSON

Database Technologies: MongoDB, SQL, Cassandra, Cloud Firestore

Tools: AWS, React, Node.js, Express, Flask, REST API, Android Studio, Git, Linux

WORK EXPERIENCE

Student Assistant - Web Developer | UT Arlington, Arlington, TX November 2019 - Present

- Maintain the database records of Transparency Reports, and Job Descriptions using JavaScript library (Tabulator) and JSON.
- Manage the Office of Information Technology Project Sites and their workflows, and perform timely updates collaborating with the Project Managers and the Communication Team.
- Collaborate with multiple departments and maintain the Office of Information Technology, Human Resources, Resources, and Business Affairs sites hosted on AWS Elastic File System (EFS).
- Implemented the Depth First Search Algorithm to build the Web Crawling and Web Scraping tool using Python to keep track of more than 600 Legal Documents during site migration.

PROJECTS

Performance Tracker – Java, XML, JSON, Cloud Firestore Spring 2021

- Developed an android app using Java to measure the students' performance level using the streak points earned by completing different priorities of tasks.
- The user authentication was implemented using Google Firebase Authentication and Google Firestore was used to maintain all the database.
- Implemented Canvas Instructure REST API to collect students' assignments and quizzes information in JSON form from the Classes' portal to automatically generate new tasks.

Device Monitor – HTML5, Python, Flask, OpenCV Spring 2021

- A web application built using Python (Flask and OpenCV) to host the live video feed from ZED stereo camera connected to Jetson on Rover and send the Augmented Reality (AR) Tag coordinates used for Autonomous driving.
- This project was implemented in UTA Rover Team to compete for the University Rover Challenge (URC).

HONORS AND AWARDS

- Nominated to the Outstanding Student Employee of the Year 2021 for an exceptional service as an employee to the University.
- Recipient of the Maverick Academic Excellence Award for the academic year 2019-2023 and the 2020 Shahrzad Amirani Endowed Scholarship
- Honorable Mentioning in the Deans Engineering Challenge to make Arlington a Smart City, 2020

ACTIVITIES

UTA Rover Team, UTA – Python Developer

February 2021 – Present

HackUTA, UTA – Event Planner, Organizer

September 2019