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, 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.
- Collaborate with Project Managers, Legal and Help Desk Analyst team to maintain the Office of Information Technology, Human Resources, and Business Affairs sites hosted on AWS Elastic File System (EFS) storage service.
- 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.
- Wrote and maintained Knowledge-Based Articles to help students and faculty/staff transition to new updates on the MyMav school portal by collaborating with the Communications and the Developer team.

PROJECTS

Performance Tracker – Java, Google Firebase, Canvas REST API *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 the database.
- Consumed Canvas Instructure REST API to collect students' assignments and quizzes information from Classes' portal to 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 later used 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 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*