Prabesh Humagain

Email: humagain.prabesh@outlook.com | **Phone**: (682) 262-7757 | Arlington, TX | www.linkedin.com/in/hprabesh/
www.github.com/hprabesh | www.prabesh-humagain.com

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, AWS Cloud Practitioner Essentials

TECHNICAL SKILLS

Programming Languages: Java, Python, C/C++, PHP, JavaScript, HTML, CSS
Database Technologies: MongoDB, MySQL, Cloud Firestore
Tools: AWS, React, Docker, Kubernetes, Terraform IAC, Open API 3.0, REST API, Azure DevOps, Flask, Android Studio, Git, Linux

WORK EXPERIENCE

Webmaster | UT Arlington, Arlington, TX   *September 2021 - Present*
- Design and develop the web application using PHP, Python (Flask), and Jinja2 templating engine to help streamline the Computer Science department's operation.
- Maintain the SQL database of the department operations like Ph.D. admission, M.S. admission, GTA/GRA position requests, advising tools, and many more.

Student Assistant – Frontend Web Developer | UT Arlington, Arlington, TX   *November 2019 – August 2021*
- Designed and built the Content Management System (CMS) on Cascade and Sitecore using HTML5, CSS, JavaScript, and PHP by collaborating with the Project Managers and the Communications team.
- Troubleshot the backend issues and debugged JavaScript and PHP codebase.
- Expedited the site migration project by building the web-crawling and web-scraping tool that kept track of more than 200 legal forms and procedures written in Python (Request and BeautifulSoup).
- Facilitated more than 100 students and faculty/staff in transitioning to new technology by creating the training materials such as technical documentation, knowledge-based articles, and Canvas courses.

PROJECTS

Performance Tracker – Java, Android Studio, Google Firebase, Canvas LMS REST API   *Spring 2021*
- Developed an android application using Java that enables the student to measure the daily performance level through the streak points by completing different priorities of tasks within a deadline
- Google Firebase Authentication was used to authenticate users, Google Firestore (NoSQL Database) was used to maintain the user records, and Canvas LMS REST API was used to generate new tasks from the Class' portal
- Project Link: https://github.com/hprabesh/Performance-Tracker

AR Tag Detection Module – Python, OpenCV   *Spring 2021*
- Built an AR Tag Detection module with Python (OpenCV) which was implemented in NVIDIA Jetson and ZED Stereo Camera to compete for the University Rover Challenge (URC)
- This module also sent the live video feed from the Rover to GUI Interface built using Tkinter through UDP

HONORS AND AWARDS

- Received Team Player Award 2021, and nominated to the Outstanding Student Employee of the Year 2021 for exceptional service 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*