

Priya Gillan

EDUCATION

JOHNS HOPKINS UNIVERSITY, Baltimore, MD

Master of Science Degree in Engineering, Robotics Dec 2023

- Coursework: Control algorithms in MATLAB for UR5 Robot. Development of robotic systems for basic kinematics, motion planning, localization and mapping. Machine and Deep Learning, haptics for devices
- NCAA D3 Athlete Soccer Goalkeeper and 2022 National Champions

ILLINOIS STATE UNIVERSITY, Normal, IL

Bachelor of Science Degree in Computer Science/Minor in Mathematics: May 2022

- Graduated with Honors GPA 3.7
- Coursework: Operating Systems, Software Development, Algorithmic Development
- NCAA D1 Athlete Soccer Goalkeeper for four years with recognition on the student athlete honor roll.

SKILLS

- Python, Java, C++, C, TCL, SQL, HTML, Swift, LaTeX, JavaScript, Unix-Linux, Windows, macOS, ROS, Android Studios, VMware, Confluence, JIRA, MATLAB, TimesheetX, PowerShell, Microsoft Azure, SharePoint, Microsoft Office, Google Drive, AutoCAD, Tableau, Cognos, Smartsheet

ACADEMIC PROJECT EXPERIENCE

Pick-and-Place using a UR5 Robot, Algorithms for Sensor Based Robotics: Spring 2023

- Played a key role in a 3 person team to handle the pick-and-place task
- Developed several successful simulations using MATLAB, ROS 2 and C++
- Successfully performed the task while avoiding obstacles to pick up a wooden block on one side of a table and place it in a box on the other side of the table.

UR5 Trajectory Planning, Robots Devices, Kinematics, Dynamics, and Control: Fall 2022

- Worked closely with a cross functional team to simulate and perform trajectory planning for a UR5 robot
- Implemented forward kinematics, inverse kinematics, adaptive resolved rate control and transpose Jacobian
- Used the ROS simulation tool to fine-tune for optimal performance

Android Studio App Development, Principles of Software Engineering: Fall 2020

- Led a team of 5 people to develop an application following Agile methodologies
- Created use cases to address the needs of an end user
- After our two week sprints, we would push our code to the shared GitHub repository and meet to test and debug

EXPERIENCE

JOHNS HOPKINS UNIVERSITY, Baltimore, MD

Integrative Learning and Life Design (ILLD) Customer Service Fellow: May 2023 – Present

- Spearheaded a project to elevate service quality by automating manual processes in the error queue using Python. Responsibilities encompassed gathering user stories, defining requirements, creating functional test scripts, and conducting end-to-end testing
- Managed the queue for customer support ticket queue for the TimesheetX workforce

application, in ensuring efficient support of JHU student employees within required SLA

ILLINOIS STATE UNIVERSITY, Normal, IL

Database Administrator: Dec 2020 - May 2022

- Led security patch management for 100+ Microsoft Windows servers on a monthly basis to maintain the latest versions for student account databases within ISU's Technology department.
- Maintained and managed 47 Microsoft SQL Databases (Production/Dev/Test), including both clustered and standalone configurations for 24/7 operational continuity.
- Collaborated with a cross-functional team of 6 across virtual platforms to deliver departmental objectives to achieve departmental objectives efficiently.

RIVIAN, Normal, IL

IT Business Technology Analyst Intern: May 2021 - Aug 2021

- Collaborate with engineering and IT intern teams to successfully deliver IT projects in support of the new electric vehicle manufacturing facility in Normal, IL
- SAP ERP project support for requirements and functional design specifications
- Assisted project execution through Epic, Story and Bug tracking in JIRA for configuration and testing phases using Agile methodology. Created analytics using dashboard metrics views.

IT Business Technology Analyst Intern: Jun 2020 - Aug 2020

- Project Harmony SAP ERP Business Readiness Team. Created content for the company-wide bi-weekly project newsletter. Leader in the initial design and configuration of the Project Harmony Intranet site as a hub for enterprise communications
- Special Project: System enhancement of enterprise JIRA Board configuration with IT Service Desk Team. Gathered requirements, created UAT test plan, executed test scripts, compiled and reported project metrics to leadership.

ILLINOIS STATE UNIVERSITY, Normal, IL

TechZone Residential Computer Consultant: Aug 2018 - Jun 2020

- Provided in-person computer help desk customer service to students and faculty
- Diagnosed and resolved hardware, software and connectivity issues for laptop, desktop and mobile device users

ACITIVITIES

- Society of Women Engineers (SWE)
- National Collegiate Athletic Association (NCAA)
- Johns Hopkins University NCAA D3 Women's Soccer National Champions Team 2022
- NCAA Missouri Valley All Tournament Player 2021
- Illinois State University Award for Most Distinguished Freshman School of IT 2019
- Women's Soccer Goalkeeper for five years as an honor roll student athlete in the NCAA