Akshay Puthanmari Murali

akputh@iu.edu |https://akshay-murali.github.io/| http://www.linkedin.com/in/akputh | https://www.hackerrank.com/m_akshay1998

Experience

BUSINESS ANALYST/ DEVELOPER (FULL TIME)

KELLEY SCHOOL OF BUSINESS at Indiana University   **JUNE 2023 – PRESENT**

· Developing accessible Tableau / Power Bi reports by extracting data from a SQL database (SSMS), ensuring comprehensive visualization, and meeting accessibility standards for diverse stakeholders.
· Worked in Agile Environment with an team of 2 developers to revamp and increase the accessibility of Kelley's site by 30% (WCMS, HTML, CSS, SCSS , JS , Velocity , IU Rivet styling).

BUSINESS ANALYST (INTERN) |*KELLEY SCHOOL OF BUSINESS*   **MAY 2022 – MAY 2023**

· Prototyped, Visualized, Created, and monitored financial database dashboard for Kelley Upper Management using Power Bi to monitor and optimize Kelley's finances.
· Utilized WCMS, Mach form and IU Rivet styling to build customized websites that precisely met client requirements, showcasing a strong attention to detail and a focus on client satisfaction.

STUDENT SUPERVISOR | IU DINING   **AUG 2021 – MAY 2022**

· Represented the dining management team in the absence of the general and/or assistant managers before customers to solve disputes which increased the overall rating of the restaurant.
· Assisted in coordinating the placement of student staff, solved conflicts and improved work environment.

Previous Works @ MANY ORGANISATIONS   **AUG 2020 – FEB 2021**

· Automated PoS sites using Python libraries such as pytest and selenium frameworks, reducing manhours Testing.
· Worked in an Agile Environment and effectively communicated to bridge the gap between US and Indian Team
· Designed and Created Course Materials on Scratch and Python Programming for high school students.
· Coached and Mentored High School and College Students Python, IoT and Robotics, Analyzing and projecting the learning outcomes of topics.

Education

LUDDY SCHOOL OF INFORMATICS, COMPUTING AND ENGINEERING   **MAY 2023**
INDIANA UNIVERSITY BLOOMINGTON

· Master of Science in Computer Science
· Related Coursework: Elements of AI, Algorithms, Advanced Database Concepts, Data Mining and Software Eng.

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY   **MAY 2020**

· Bachelor of Technology in Computer Science
· Minor: Computer Engineering
Related coursework: Python, Database Design, Data Structure, Microprocessor (IoT), CPP and C# Programming.

Skills & Abilities

Programming: Python, NumPy, MatPlot, Pandas, Clustering Algorithms, Web Development (HTML, CSS, Bootstrap and PHP), PowerBi, SQL (Postgres, Microsoft SQL), SSIS (SQL Server Integration Services), Tableau, JavaScript, Automation Testing , C#.

Technical: Jira, GitHub, Microsoft Office, Software development, Agile Environment, Data Analysis and Visualization.

Interpersonal: Effective Communication, Leadership and Mentorship

Projects & Publications

Accident Prevention using IoT based gas detectors.

· Developed Python code to interact with IoT devices (Raspberry Pi, MQ2 sensors, relays, and motors) to detect gas leakage, if detected, it terminates power supply and contacts the fire department and the owner.