ADARSH SHANKAR

📍 Chicago, IL | 📱 (872) 310-8918 | ✉ adarshs2097@gmail.com | 🔗 LinkedIn | 🐙 GitHub | 👤 Portfolio

WORK EXPERIENCE:

Software Engineer Intern, Oak Street Health, Chicago, USA.   **June 2023 – August 2023**
- Developed two automation bots using a scripting language called PowerShell, which reduced the workload of the TechOps team by an impressive 30%. This saved the team approximately 40 hours of work per week.
- This led to a significant 45% improvement in operational efficiency, resulting in faster issue resolution and better system performance in SolarWinds Orion and Database Performance Analyzer.
  Tech Stack: PowerShell, SolarWinds Orion, Database Performance Analyzer, MySQL.

Systems Engineer, Infosys Limited, Bangalore, India.   **December 2019 – September 2021**
- Modified 70% of the User interface screens for the "Medtronic" web application used by more than 100,000 people across 150 countries.
- Overhauled over 80% of specifications and Decode/ Encode/ Dependencies/ Pertinent rules for device parameters.
- Tested overall implemented code using the Medtronic Defined test tool called Bench Programmer and reduced 40% of errors to get the desired result.
- Checked the existing simulation files and wrote more than 700 test cases.
- Used the Test Runner tool as per requirement which optimized and boosted the efficiency of the application by 35%.
  Tech Stack: C#, JavaScript, ASP.NET, Jenkins, JSON, MySQL, Html, CSS, 2090 Programmer.

Data Analyst Intern, Ventalyst Business Solutions, Shivamogga, India.   **July 2018 – October 2018**
- Prepared 8+ datasets for modelling in Python, R via cleaning, pre-processing, train/test set partition, feature engineering, exploratory data analysis utilizing seaborn, ggplot packages, Tableau and Power BI tools.
- Applied Machine learning techniques - Regression, classification, clustering to predict, explain datasets.
  Tech Stack: Python, R, MySQL, Excel, AWS, Tableau, Power BI.

TECHNICAL SKILLS:

- **Languages**: Python, JavaScript, C++, SQL, Java, C#, C, PHP, R, PowerShell.
- **Frameworks and Libraries**: HTML5, CSS3, STL, ReactJS, NodeJS. Express.js, REST API, XML, JSON, ASP.NET, Pandas, NumPy, matplotlib, seaborn, Scikit-learn, TensorFlow.
- **Databases**: MySQL, SQLite3, MongoDB, Oracle, PostgreSQL.
- **Tools and Others**: Tableau, Git, AWS, MS-Excel, Jenkins, Firebase, Heroku, SolarWinds, Frontend, Backend, Full-Stack, Data Structures and Algorithms, Object Oriented Programming, Distributed Systems, Agile Scrum.

ACADEMIC PROJECTS:

IoT-Based Smart Ambulance System.
- Designed an Android application to create "One Path Clearance" for Ambulances using Java.
- Configured the Firebase to continuously store multiple longitude and latitude data from the Android application.
- Worked with R PI which will take coordinates stored on Firebase and change the traffic signal accordingly. This saves time by 70%.
  Tech Stack: Java, Python, R PI, Firebase, Android Studio.

Namma Karnataka.   Link
- Created a website that gives details of 100+ of the tourist places of Karnataka and hotel details near them.
  Tech Stack: JavaScript, Html, PHP, CSS, Bootstrap, And MySQL.

Sorting.   Link
- Engineered a C++ computer graphics project with a user interface showcasing Selection, Merge, and Quick sort algorithms, achieving a 20% efficiency boost in sorting.
  Tech Stack: C++, OpenGL, Computer Graphics.

EDUCATION:

- Master of Science - Computer Science. (GPA: 3.8) (09/2022 – 06/2024):   DePaul University | Chicago, IL.
- Bachelor of Engineering - Computer Science. (08/2015 - 07/2019):   VTU | Karnataka, India.

CERTIFICATIONS AND ACHIEVEMENTS:

- Received a certificate for Introduction to Front-End Development from Coursera. (12/2023).   Link
- Secured a certificate in The Complete 2021 Web Development Bootcamp by Udemy. (07/2021).   Link