[**SOWMIYA**](http://sg.linkedin.com/in/arunsiva1) **MEENA SIVA SUBRAMANIAN**

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**PROFESSIONAL SUMMARY**

Accomplished software developer and technology researcher with 8+ years' experience in commercial and research sectors. Proficient in a wide array of programming languages, web technologies, and mobile app development frameworks. Adept at leveraging data analysis and machine learning for informed decision-making. Consistently embraces emerging technologies and methodologies to stay at the forefront of the rapidly evolving tech landscape.

**TECHNICAL SKILLS**

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| **Front-End** | HTML, CSS, JavaScript, jQuery, Angular, React, Vue.js |
| **Mobile Development** | Flutter, Ionic, Android (Android Studio), Xcode (Swift) |
| **Back-End** | ASP.Net, C#, PHP, Python |
| **Databases** | MySQL, SQL Server, Firebase Firestore |
| **Web Technologies** | RESTful API Integration, JWT Authentication |
| **Version Control** | Git , TFS |
| **Development Tools** | Visual Studio Code, Android Studio, Xcode |
| **Data Analysis/ML** | Pandas, Numpy, Scikit-learn |
| **Data Visualization** | Matplotlib, amCharts, seaborn |
| **Cloud Services** | Firebase (Authentication, Storage), Google cloud platform |
| **DevOps/CI** | Git, Continuous Integration |
| **Design Patterns** | MVC, 3-Tier Architecture |

**WORK EXPERIENCE**

**Research Engineer | Nanyang Technological University, Singapore Oct 2018 - Present**

* Spearheaded multiple research and development projects, notably contributing to the field of health-tracking applications.
* Designed and implemented iOS and Android application using Flutter, Dart, and Firebase technologies.
* Executed a feasibility study for contactless health coaching, resulting in the design and development of the "**U**berise **C**oaches for **He**alth **S**ervices and **K**nowledge (UCHESK)" a web and mobile based application.
* Implemented data anonymization algorithms using python for a private taxi company, ensuring privacy while maintaining data patterns.
* Integrated motion sensors and managed real-time data processing for individual health and activity performance tracking.
* Played a pivotal role in creating prototypes and scenarios for optimizing homecare and caregiving services for the elderly.

**Software Developer | Cognizant Technology Solutions, India Aug 2014 - Apr 2018**

* Led major enhancements in the "Client Central" project for BB&T, a US bank, ensuring world-class service delivery to customers.
* Developed and enhanced applications using ASP.Net, C#, WPF and WCF.
* Collaborated with cross-functional teams and participated in full project life cycle, from requirement gathering to deployment.
* Managed end-to-end operations, including account opening and servicing, resulting in increased efficiency and customer satisfaction.
* Conducted rigorous quality assurance through test case execution, code review, and impact analysis, meeting high-quality standards.
* Successfully supported System Integration Testing (SIT), User Acceptance Testing (UAT), and Regression Testing phases, ensuring smooth project releases.
* Organized and facilitated daily team meetings, logging, tracking, and reporting defects, demonstrating strong project management skills.
* Engaged in weekly client calls, addressing project clarifications promptly and providing effective solutions.
* Demonstrated versatility by handling multiple projects simultaneously at different phases of development.

**LICENSES & CERTIFICATIONS**

**Python for Data Science and Machine Learning Bootcamp**, Udemy Jun 2023 – Oct 2023

**EDUCATION**

**Bachelor of Technology in Information Technology** (First Class), Anna University, India2010–2014

**NOTABLE ACHEIVEMENTS**

* Published a paper at the HICSS (**H**awaii **I**nternational **C**onference on **S**ystem **S**ciences) conference, focusing on the development process and insights gained from the UCHESK app. The paper highlights valuable contributions to the field of healthcare technology and elderly care.
* Secured 1st place for the Idea provided in "IDEATHON" event conducted at Cognizant.
  + Idea title: "Customer Sentiment Analysis"
  + Idea Description: Analyzing the customer comments or feedback provided through any medium (text or voice) and categorizing it for valuable insights.
  + Tools used: IBM Watson tool NLP (Natural Language Processing).