ADITI SWAROOP

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Education

M.S. in Computer Science *2019-2020*

University of Southern California (GPA: 3.74)

B.Tech in Computer Science *2011-2015*

SRM University, India (GPA: 8.95)

Skills

Programming Languages	Java	Swift	C	C++	C#	Python	SQL
Web Technologies	Angular	ReactJS	NodeJS	JavaScript	jQuery	Bootstrap	MaterialUI	Typescript	HMTL5	CSS
	REST API	ASP .NET	MVC Framework	Entity Framework	MongoDB	iOS	Android
Tools & Technologies	Apple ARKit4/SceneKit	AWS	Git	SQL Server	MySQL	Jira

Experience

Software Developer Intern, Opal AI *June 2020 - Present*

Launched the MVP application by itemizing business requirements based on precedency to build an iOS app with key features. Responsible for steering software development by strategizing and coding various solutions to set up end to end application pipeline.

Web Developer, USC Annenberg *May 2019 - April 2020*

Architected and developed a website to support human-AI research study focusing on patterns of information exchange between users in complex and competitive environments.

Software Developer (Jr. Product Specialist), Cognizant Technology Solutions *September 2015 - November 2018*

Surpassed entry-level trainees in skill assessments to stand amongst top 50 candidates nationwide selected for self learning 'Fastrack Training'. Responsible for designing and implementing solutions to support workflow migration from a legacy system to Facets®, a claim administration and management tool, for a health insurance client: Wellmark BCBS.

Projects

Scan2Plan, Opal AI *Swift, ARKit4, Java, C#*

- An iOS application to scan a room and obtain its floorplan instantly, achieved by implementing Apple ARKit4 scene reconstruction and scene depth to capture depth data from the LiDAR sensor on the device along with standard RGB data.
- Coded a console C# application to generate AutoCAD drawings from raw data in order to automate basic floorplan generation.

Corona Token, personal project *MERN Stack*

- A token-based reservation system built to restrict overcrowding public locations like libraries, museums, parks etc., across LA city and to **practice social distancing**. Website also includes coronavirus trends specific to regions in LA using data crawled from LA county's official public health website.

Open Sesame, USC Annenberg *JavaScript, HTML, CSS, PHP*

- A web game application to simulate environments of resource and personnel abundance vs scarcity and analyze how users interact with the system. Extended the project to **build a recommendation system** serving as an intervention to nudge decision-makers to increase information sharing in such competitive environments.

Winbook 2.0, USC CSSE *Angular, NodeJS, MySQL*

- Re-built the existing requirements gathering and negotiation tool,"Winbook", from scratch to upgrade with a more intuitive and modern UI. The tool is **currently being used for software engineering class** at USC.

Weather Search Web and Mobile App, USC *Angular, NodeJS, Android*

- Tapped Darksky API, Geocoding API and IP API to create Node.js endpoints and fetch weather details of a particular location. Data was curated to be displayed on the responsive website with features like autocomplete search, toggle between daily and weekly weather, save a location as 'favorite', visualizing weather data as interactive graphical charts, etc.

Program Management Office, Cognizant *C#.NET, MVC, SQL, JavaScript*

- Envisioned and implemented a web tool to handle all project line of business progress. The tool also includes budget resource management, performance and data reporting through graphs and tracking utilization metrics.
- **Reduced hours of manual work** done by project managers, by automating functionalities earlier handled by primitive tools. Received **"Employee of the Quarter"** award for going the extra mile.

Large Group Claims Migration, Cognizant *Full stack C#.NET, SQL*

- Collaborated with the client as a part of various teams for this multi-year project to lead all round development and programming SQL procedures/C extensions on top of current Facets® interface, tailored to business requirements.
- Brainstormed performance tuning solutions for existing procedures ensuring **100% impact free delivery** and gaining **15% to 30% increased efficiency** over residing ones.