

SIDDHARTH YELLUR

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EDUCATION

Masters in Computer Science	University Of Florida, USA	Aug 19 - May 21
Coursework :	Analysis of Algorithms, Advanced Data Structures, Distributed Multimedia Systems, Blockchain Optimization and Application, Math for Intelligent Systems, Database Management and Systems.	GPA : 3.33/4.00
Bachelor Of Engineering in Computer Science	Anna University, India	Aug 14 - May 18

TECHNICAL SKILLS

Languages : C ++, Java , JavaScript, HTML , CSS ,PHP, Python

Web/J2EE technologies : HTML, CSS, JavaScript, PHP, React , Bootstrap 4, jQuery, D3.js, REST web services, GatsbyJS , GraphQL

Tools : Git, Tensorflow, FloydHub, VS Code

Database : MongoDB, MySQL, Firebase

WORK EXPERIENCE

Graduate Research Assistant University of Florida	Feb 20 - present
<ul style="list-style-type: none">Currently working under Dr Gavin Naylor, to maintain and handle the website/research for the Florida Museum.Have applied D3.js framework to deploy data visualization for the anatomy, location, DNA sampling and uploading 3D scans of various shark species.Also working on finding similarities between Genome samples from various shark species using C++.	
Full stack Developer Ferry IO	Feb 18 - June 18
<ul style="list-style-type: none">Orchestrated and built their E-commerce Website from scratch. Implemented React Framework for front-End and MongoDB, Node.js for backend and server-side scripting.Real-time experience in designing software for a start-up from ground zero.	
Research Intern Anna University	May 17 - Jun 17
<ul style="list-style-type: none">Worked on a video surveillance/Laser-Time Detection project for the Tamil Nadu Police Dept.Led a team of 6 members in prototyping a Laser Based time tracking system using automated python scripts with an accuracy upto 1 millisecond and performed wireless data transfer by utilizing Arduino and Xbee modules.Received a grant of \$1500 from Tamil Nadu Uniform Services Recruitment Board.	
Software Engineering Intern ChalkStreet	May 16 - Jul 16
<ul style="list-style-type: none">Designed a customer friendly UI for the E-Learning company.Deployed the Bootstrap framework for initial design using HTML5, CSS and Javascript.Used JavaScript extensively to streamline their functionalities. Worked on simplifying and monitoring back-end activities and enhancing the dashboard currently being used.	

PROJECTS

Weather-App using OpenWeather API	Jul 20 – Jul 20
<ul style="list-style-type: none">Deployed a weather app using Vue.js and used the openweather.org API to get real-time updates on the weather in any part of the world.Involved using REST API and the modern JS Fetch API to get weather updates from openWeather.org and Vue.js as the framework for building and deploying the application.	
Construction of New City using Red-Black Trees and Min-heap (Academic)	Oct 19 - Dec 19
<ul style="list-style-type: none">Deployed a Java application using Min-heap and Red-Black trees to keep track of the new buildings with respect to a certain execution time.Used a Min-heap and RB Tree to store new buildings based on execution time and building ID.	
Automated Image Poly-Chromization and Blur Removal	Dec 17 - April 18
<ul style="list-style-type: none">Deployed deep learning techniques using Tensor Flow and FloydHub in order to provide accurate color schemes in B&W photos.Involved using an Inception Resnet v2 and collecting Dataset 'Unsplash' containing over 6000 photos to train the neural network.	
Laser Based Automated Time Detection System	May 17 - Jun 17
<ul style="list-style-type: none">Built a laser-based time detection System for the Tamil Nadu Police Department using python scripts. They are currently deploying this equipment for their Candidate selection process.Involves time-tracking automatically in the 100-200 meter dash using lasers, Arduino Boards, Xbee modules.	