

MEGHANA PALAGANI

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EDUCATION

Northeastern University, Boston, MA

May 2023

Master of Science in Software Engineering Systems

Coursework: Web Design and UX Engineering, Object-Oriented Design, Enterprise Software Design, Program Structures and Algorithms

Sri Siva Subramaniya Nadar College of Engineering, Chennai, India

August 2021

Bachelor of Engineering in Electrical and Electronics Engineering

SKILLS

Front End: HTML, CSS, Java Script, Angular, Bootstrap, JQuery, React, Node JS, Express JS

Database: Mongo DB, MySQL, NoSQL, Oracle

Programming: Python, Java, C, MATLAB

Operating system: Linux, Windows, Mac

Soft Skills: Teamwork, Communication, Leadership, Adaptability and Flexibility, Problem solving, Time Management

INTERNSHIP

Satyavedu Reserve Infotech Private Limited

Oct 2020 – Dec 2020

Internship at Satyavedu Reserve Infotech Private Limited for 2 months (Oct 2020 – Dec 2020) based on

- Customized HTML and CSS webpages for enhancements and new features on service requests
- Performed unit testing to ensure responsiveness and user acceptance testing with clients to deploy the changes
- Trained and coached the functional users on the operations of new features and supported over calls and emails

INDEPENDENT PROJECTS

Wordpress blog for Personal Journal

Sep 2018 – Dec 2018

- Built digital requirements for the journal to articulate font purpose, fonts, and color scheme
- Customized theme and published pages and added links to internet
- Tested the implementation on mobile and multiple browsers and monitored the site traffic to reach 50 visitors

One-Page Shopping Website using HTML, CSS, and JavaScript

Dec 2020 – Feb 2021

- Designed and developed a one-page fast-food merchant website using responsive CSS
- Collaborated with a vendor to collect the menu details and surveyed user experience for enhancements
- Improved the web design through user inputs and updated the responsive search bar and shopping cart

ACADEMIC PROJECTS

Student Management System

Sep 2021 – Dec 2021

- Centralized classroom, student, and teacher data to enable transparency and accessibility to all school personnel
- Developed responsive website for the user to login, view classes and course material using Swing GUI and Java
- Designed a feature to add new classrooms, teachers, and student details to insert and update the database

An Intelligent Cloth Folding Machine

Dec 2020 – Aug 2021

- Fabricated a Low-cost cloth folding machine that can automatically fold different types of clothes when they are placed on it
- Designed this machine such that the folding time is reduced by half without any manual effort

Textile Based Cloth Folding Machine

Apr 2020 – Dec 2020

- Developed a prototype of cost-effective cloth folding machine that could automatically fold the clothes when a piece of laundry is placed on the machine
- Implemented this prototype for small scale textile industries, hotels

Solar Powered Electric Fence Energizer for Green Farming

Apr 2018 – Dec 2019

- Designed a simulation model using MATLAB which gives a sharp, short, and non-lethal shock to the intruder in fields which create a psychological fear against tampering
- Implemented this model in university field/farms that yielded a successful output

ACHIEVEMENTS

- Awarded best funded project proposal at SSN INNOVATION DAY for Solar Fence Energizer project, (Feb 2020)
- Awarded best Abstract at an International Conference on Technological Advancements in Mechanical Engineering (ICTAME) organized at AMET University (Sep 2019)
- Recognized with merit scholarship for outstanding academic record for the year 2018-2019