MEGHANA PALAGANI

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EDUCATION

Northeastern University, Boston, MA **May 2023**

Master of Science in Software Engineering Systems **GPA: 4.0**

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

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

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

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