Mihir Pitambare

Bachelor of Technology
Electronics and Instrumentation
Vellore Institute of Technology, Vellore

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⯃ Portfolio
in LinkedIn Profile

EDUCATION

•**Vellore Institute of Technology, Vellore** — *2019-23*
Bachelor of Technology in Electronics and Instrumentation — CGPA: 8.43

•**Shree Chaitanya College, Bangalore - Senior Secondary** — *2018-2019*
Central Board of Secondary Education(C.B.S.E) — Percentage: 89

•**The Samhita Academy, Bangalore - 10th Grade** — *2018-2019*
Central Board of Secondary Education(C.B.S.E) — CGPA:8.8

PERSONAL PROJECTS

•**Relative Humidity Prediction using Backpropagation Algorithm**
An application taking a week's Temperature as input and predicting the Relative Humidity of the week.

- The Algorithm uses multiple epochs containing fixed weights helps us in predicting the gradient loss in humidity.
- The BackPropagation Algorithm contains multiple layers which accurately predict the humidity.
- Technology Used: MATLAB.

•**Encryption and Decryption Algorithm for Secured Communication**
A secure communication service made by using Images and Sounds.

- Utilizes the BlowFish Algorithm considered to be the very secure
- Used RGB Spectrum of Image Processing to convert sounds to images
- Technology Used: MATLAB.

•**Portfolio using HTML, CSS and JavaScript**
A website developed providing information about me.

- Used various HTML and CSS fundamentals to create a user interactive interface..
- Technology Used : HTML, CSS and JavaScript.

•**User Interface Development for Pressure Transmitter**
An HTML5 based website developed allowing user to configure device.

- Used various HTML and CSS fundamentals to create a user interactive interface.
- Developed various device functionalities and various setup menus for configuration of device.
- Technology Used : HTML, CSS,JavaScript/Typescript

EXPERIENCE

•**Project Intern (Emerson Innovation Centre)** — *Feb 2023 - Aug 2023*
- Developed of User Inteface Plugin for 3051 Rosemount HART Pressure Transmitter.
- Developed a Universal User Inteface Plugin for devices independent of communication protocols.
- Developed a Reference User Inteface Plugin to check if UIP's developed for devices are able to perform the standard services provided by the UIP.
- Hands on experience in development of various User Interfaces utilising various functionalities

TECHNICAL SKILLS AND INTERESTS

Languages: C-Sharp, Java, JavaScript/TypeScript, HTML, CSS, MATLAB.
Tools : ThingSpeak,NodeRed, Cisco Packet Tracer, Weka
Web Dev Tools: Nodejs, VScode.
Databases:MySQL
Relevent Coursework: Data Structures, Computer Architecture and Organization, Problem Solving and Object Oriented Programming, Advanced Java Programming, Internet of Things, Neural Network and Fuzzy Control, Data WareHousing and Data Mining, Image Processing.
Areas of Interest: Web Design and Development, Data Analytics, Cloud Security.
Publications: All-In-One Measurement Cup for The Food Industry. Paper published in MSEA Special Edition in July 2022.
Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability.

VOLUNTEER EXPERIENCE

•**Youth Red Cross Memeber** (Vellore Institute of Technology,Vellore) — *Dec 2019- Dec 2020*
- Organised various events and campaigns to spread awareness and organised blood donation camps.