Mihir Pitambare

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Portfolio: https://mihii212.github.io/portfolio/

EDUCATION

- **Vellore Institute of Technology** — Vellore, India
  Bachelor of Technology - Electronics and Instrumentation; GPA: 8.3 — *July 2019 - Present*

- **Shree Chaitanya PU College** — Bangalore, India
  12th Grade; Curriculum: CBSE Subjects: PCM-IP GPA: 9.4 — *June 2018 - April 2019*

- **The Samhita Academy** — Bangalore, India
  10th Grade; Curriculum: CBSE GPA: 8.8 — *June 2016 - May 2017*

Courses: *Data Structures and Algorithms, Database Management Systems, Computer Architecture and Organisation, Biomedical Instrumentation, Analog and Digital Circuits, Robotics and Control, Neural Networks and Fuzzy Control, Process Automation and Control, Image Processing, Microprocessor and Microcontroller, Sensors and Signal Conditioning, Object Oriented Programming.*

SKILLS SUMMARY

- **Languages**: JAVA, SQL, HTML, CSS, MATLAB
- **Tools**: MySQL, Proteus, PSpice, LabView, TinkerCad, Thingspeak
- **Soft Skills**: Leadership, Event Management, Writing, Public Speaking, Time Management

CERTIFICATIONS

- **Maven Silicon VLSI Design** — March 2022
  Industrial level certification acquired in VLSI Design provided by the company Maven.

- **SQL BASIC (HackerRank)** — June 2022
  A basic level certification test to understand the basic concepts of SQL.

- **Programming with MATLAB (Coursera)** — April 2020
  A course to understand concepts from basic to intermediate helpful to perfrom image processing.

- **Advanced AC Circuit Analysis (Coursera)** — March 2020
  A course to understand the advanced level concepts used in various applications.

PROJECTS

- **Encryption and Decryption Algorithm for Secured Communication**: The communication is done by converting a sound message to an encrypted picture. Then performing decryption of picture to obtain the audio message.The project uses the concept of RGB spetrum used in Image Processing. Tech: MATLAB

- **Relative Humidity Prediction using Backpropagation Algorithm**: The project helps in predicting the relative humidity of a week completely by giving 4 days of temperature as input. Backpropagation algorithm works using fixed weights which are able to accurately predict the humidity Tech: MATLAB.

- **LancerConnect: A Social Networking Site for Freelance Developers**: A management-based project where the implementation of a networking website where Work Breakdown Structure, Statement Of Work, Costs and Duration to implement a real time project.

- **Portfolio using HTML and CSS**: A website to let people know about my Qualifications, Projects and to know a little about me.

- **All-In-One Measurement Cup for The Food Industry**: A hardaware project where a cup was designed to perform measurements of different materials using a single instrument. Presented in a conference.

PARTICIPATIONS

- **ISER Conference**: May 2022
  https://drive.google.com/file/d/1pS7CBAGjSNRaNsEXh4QusTAY1C5HGLn5/view?usp=sharing

PUBLICATIONS

- **Research Paper: All-In-One Measurement Cup for The Food Industry**: Paper published in MSEA Special Edition in July 2022. https://www.philstat.org.ph/special_issue/index.php/MSEA/article/view/224

VOLUNTEER EXPERIENCE

- **Youth Red Cross Memeber** — December 2021
  Organised various events and campaigns to spread awareness and organised blood donation camps.