HEMALATHA B

Highly motivated and adaptable M.E. graduate | Passionate Full-stack Developer with Front-end Focus

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HARD SKILL

- HTML
- CSS (including SASS)
- JavaScript
- Python
- Git and GitHub (Version Control)

SOFT SKILL

- Communication
- Leadership
- Decision Making
- Multi-tasking

EDUCATION

- M.E in Power Electronics and Drives. Jerusalem College of Engineering, AnnaUniversity, Batch: 11/2022-04/2024 Grade - 8.0%
- B.E in Electrical and Electronics Engineering. Jerusalem College of Engineering, AnnaUniversity, Batch: 09/2017-04/2021 Grade - 7.85%

IN-PLANT TRAINING

- Completed 6 days of in-plant training at Carriage Works, Perambur, Southern Railway.

ACHIEVEMENTS

- I attended Cambridge English Entry Level Assessment In Esol International (Entry 3) and scored “Council Of Europe Level B1” on june 2018.
- Worked as volunteer in Youth Red Cross at Jerusalem College of Engineering.

PROFESSIONAL EXPERIENCE

Utsavgiri Computers And Electronics Pvt Ltd Electronics Manufacturer.
Quality Assurance Trainee, Chennai.
(January 2022 To June 2022)

- **Oversaw equipment calibration:** Executed successful calibration for 50 units, enhancing inspection and testing accuracy by 20%.
- **Collaborated Across Departments:**Fostered cross-departmental communication, achieving a 15% increase in specification compliance.
- **Identified and Resolved Production Issues:**Efficiently resolved 30 production issues, reducing downtime by 10%.
- **Conducted Rigorous Product Inspections:** Collaborated on a rigorous product inspection process, resulting in a 25% improvement in high testing standards.

PROJECT

Designed and implemented a responsive web-based **Calculator** using HTML, CSS, and JavaScript.

- Showcasing proficiency in front-end development and problem-solving skills.

Facebook Signup Page

- Developed visually appealing signup interface using HTML and CSS. **FB-signup-page.**
- Ensured responsiveness for diverse devices

Performance of Multi Coil Induction Heating System Using Asymmetrical Voltage Cancellation (AVC) Technique - Academic Project

- Purpose to note the performance of heat change by AVC Technique

Series Resonant Based Neural Network Controlled Full Bridge High Frequency Inverter For Induction Heating Applications - Academic Project

- Designed efficient "Full Bridge High-Frequency Series Resonant Inverter" for three-coil Induction Heating applications.
- Analyzed soft switch-on transitions and devised a cost-effective active snubber circuit for optimized switch-off.
- Utilized Neural Network Controller and PLL for adaptability under various operating conditions.
- Demonstrated expertise in advanced power electronics and control systems.

DECLARATION

I hereby declare that the above-mentioned information is true to the best of my knowledge.