

HEMALATHA B

Highly motivated and Adaptable M.E Graduation | Devoted to delivering seamless front-end experiences

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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

- 6 days of in-plant training in carriage
works, Perambur of 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.

DECLARATION

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

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:** Implemented a comprehensive product inspection process, resulting in a 25% improvement in high testing standards.

PROJECT

Personalized Resume Enhancement

- Self-taught HTML and CSS skills to construct a polished resume from scratch. [Self-developed resume.](#)
- Independently designed and underlining my adeptness in front-end development.

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.
- Implemented soft switch-on transitions and 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.