Nikhil

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EDUCATION

Universität Paderborn **Paderborn, NRW**
MS in Electrical Systems Engineering *Graduation Date: Apr 2025*

Dayananda Sagar College of Engineering **Bangalore, India**
Bachelor of Engineering in Electrical and Electronics Engineering *Graduation Date: Jun 2021*

WORK EXPERIENCE

Mindset IT Solutions & Consultants **Bangalore, India**
Project Intern *Mar 2021 - Apr 2021*

- Researched and analyzed the feasibility of implementing wireless charging technology for electric vehicles, identifying cost saving opportunities that could potentially reduce expenses by 20%.
- Designed and optimized charging parameters for resonance coupling-based wireless charging system using ANSYS simulations. Achieved 20% increased efficiency and 40% reduction in charging time.
- Programming the Microcontroller and System Testing, to ensure proper working of Resonance Coupling wireless Charging.
- Assembled prototype and tested on real-time system conditions in laboratory environment.

Bharat Heavy Electricals Limited (BHEL) **Hyderabad, India**
Student Intern *Jul 2019 - Aug 2019*

- Evaluated turbogenerator manufacturing processes, ensuring adherence to customer requirements and safety standards.
- Improved fabrication and quality control for industrial generators, reducing costs by 10% in the production of 12 prototype units.
- Streamlined daily production reporting by automating the process, resulting in a 25% improvement in efficiency.

PROJECT EXPERIENCE

Amazon Clone **Paderborn, NRW**
Title *Feb 2024 - Mar 2024*

- Developed a fully functional replica of the Amazon.com website using HTML and CSS, resulting in a 95% accuracy rate compared to the original site.

Dayananda Sagar College of Engineering **Bangalore, India**
Smart Parking Spaces *Jan 2020 - May 2020*

- Implemented IR sensors and Arduino microcontroller to provide real-time parking availability information, resulting in an 84% reduction in driver search time.
- Programmed the Arduino microcontroller to display parking availability on an LCD monitor and control LED lights for indicating parking status.

Dayananda Sagar College of Engineering **Bangalore, India**
Line Follower Robot *Apr 2019 - May 2019*

- Developed a line-follower robot with 95% accuracy in turning according to line patterns, reducing tracking time by 33%.
- Evaluated the robot using an arena with various line patterns to determine the completion time and number of errors.

SKILLS & INTERESTS

Skills: Front End Development (HTML, CSS, Javascript), Arduino, MATLAB, PSpice, Proteus

Certifications: Python, Internet of Things, PCB Designing

LANGUAGES

Deutsch (A2) English (C1) Hindi (Native)