EZHILAN N

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EDUCATION

B.E - Electrical and Electronics Engineering   CGPA: 9.3
Chennai Institute of Technology   2021 - 2025

INTERNSHIP EXPERIENCE

Process Engineer Intern(Bonfiglioli Transmissions)   May 2023 - Jul 2023

- Interned for 2 months as a process engineer at Bonfiglioli Transmission
- Applied theoretical knowledge in process optimization and engineering techniques
- Conducted data analytics for over 3500 models in the APCN project
- Analyzed additional data for validation software developed for the company

AICTE Virtual Internship(CISCO)

I learned practical skills and gained knowledge in cybersecurity by interning with Cisco through the AICTE Virtual Internship Program.

PROJECT

Electric Two Wheeler(Team Minnuram)   Jan 2023 -May2023

- Designed and constructed a mid-drive electric two-wheeler for SAE event ETWDC
- Utilized a BLDC motor to showcase engineering expertise in sustainable transportation
- Executed a MATLAB simulation for the Design review phase of the project

Stock Market Web Application(Angular,Firebase)   Github   Dec 2023

- Angular-based stock app with user-friendly dashboards for enhanced portfolio experience.
- Integrated visually appealing designs to facilitate stock management and portfolio monitoring
- Utilized Firebase as the backend and implemented CRUD functionality for watchlists

Blog Website(HTML,CSS,Bootstrap)   Github   Nov 2023

- Developed a responsive blog website using HTML, CSS, and Bootstrap
- Ensured aesthetically pleasing design and seamless functionality for optimal user experience.

Finance Calculator(Angular)   Github   Jan 2024

- Developed Angular-based finance calculator with 12 functionalities for diverse calculations.

Project in MATLAB Simulink (BCS,Motor simulation)   Feb 2023 - Mar 2023

- Modeled battery cooling system for electric two-wheeler in MATLAB Simulink
- Simulated BLDC/PMSM motors, advancing design precision for ETWDC competition.

APCN(Excel)   May 2023 - Jul 2023

- Conducted comprehensive analysis on 3500+ models in APCN project.
- Provided valuable insights, enhancing efficiency by identifying errors in assembly line testing.

CERTIFICATIONS

NDG Linux Essentials, Cisco Introduction to cybersecurity, Cisco cybersecurity essentials, Cisco Introduction to Packet Tracer, Matlab Onramp, Simulink Onramp, UIPath RPA, CourseEra(Certificates related to Shell Scripting, Bash Scripting and Linux),IBM Introduction to Network and Storage.

SKILLS

- HTML (Advanced)
- Python (Intermediate)
- MySQL (Intermediate)
- Bootstrap (Intermediate)
- Bash Scripting (Intermediate)
- Java (Intermediate)
- CSS (Advanced)
- Angular (Intermediate)
- JavaScript (Intermediate)
- Linux (Intermediate)
- TypeScript (Intermediate)
- C (Intermediate)

TOOLS

Microsoft Office Tools, Google Sheets, Slides, Docs, Matlab, Figma, Cisco Packet Tracer, VS Code, Chat GPT, PowerBI, Nmap, MS Excel