Sivabalan T

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EDUCATION

Bachelor of Engineering in Electrical and Electronics Engineering

Anna University

St. Joseph's College of

Engineering and Technology,

Thanjavur, Tamil Nadu,

India l 2020 – 2024

CGPA: 8.5 / 10

Higher Secondary Education (HSE)

Government Higher Secondary

School, Alather

Thanjavur, Tamil Nadu, India |

2018 – 2020

SKILLS

TECHNICAL SKILL

- Revit
- AutoCAD
- PCB Design
- Fusion 360
- Internet Of Things
- Embedded System
- Navisworks

OBJECTIVE

Proactive and results-driven **Electrical and Electronics Engineer** with strong knowledge in **AutoCAD**, **BIM (Building Information Modeling)**, **Navisworks**, **Revit** and **Embedded System**. Seeking to leverage technical expertise and project management skills to contribute to innovative and efficient engineering solutions while contributing to the successful completion of challenging projects.

EXPERIENCES

Software Trainer and Developer

| Jadayu Software Technology | 2024 - Present

- Develop and train students in AutoCAD Electrical, Revit and Embedded Systems, incorporating practical labs and industry-focused projects to enhance skills and career readiness.

Intern – Substation Operation & Equipment Testing

| NLC India Limited, Nayeli | July – 2023

- Trained in substation operations, maintenance practices, and electrical equipment testing procedures in Mine-II, gaining hands-on experience in high-voltage substation management and safety protocols.

Industry 4.0 (Digital Twin) Training

| Vi Micro Systems | 2023 – 2024

- Acquired expertise in the practical application of digital twin technologies within Industry 4.0, contributing to enhanced operational efficiency and system optimization.

Embedded System Design – Board Development & Debug Training

| In Gage| Nov 2022 – Apr 2023

- Developed skills in embedded system design, including board bring-up, firmware development, device driver integration, and troubleshooting of hardware and software issues.

SOFT SKILLS

- Leadership
- Adaptability
- Creativity
- Problem-Solving
- Flexibility
- Decision Making

PROGRAMMING SKILLS

- Embedded C/C++
- HTML
- CSS

CERTIFICATIONS

- AutoCAD Electrical
- Revit MEP
- PLC & SCADA
- Internet of Things
- EV Design
- Google Digital Marketing

SOCIAL NETWORK

Github:// Sivabalan-T
LinkedIn:// Sivabalant38
YouTube:// SPark_Studio_S
Twitter:// SivaBalan_t38
Quora:// Siva Balan

PROJECTS

FARMBOT: DESIGN AND IMPLEMENTATION OF AN AGRICULTURE ROBOT FOR PRECISION FARMING

- Developed an Agriculture robot to perform precision farming tasks like planting, watering, and monitoring crops, integrating stepper motors, sensors, and computer vision for optimal agricultural efficiency.

AUTONOMOUS FIRE FIGHTING ROBOT

- Designed and implemented an autonomous firefighting robot using Arduino, integrating hardware and software components for effective flame detection and obstacle avoidance.

ACHIVEMENTS

- **AWARD OF RAJYA PURASKAR FOR SCOUTS AND GUIDES**

  Presented by The Governor of Tamil Nadu, India- 2018.

- **INSPIRE AWARD 2014 – 2015**

  Department of Science and Technology Government of India, New Delhi.

- **YOUNG STUDENT SCIENTISTS PROGRAM**

  Tamil Nadu State Council for Science & Technology, Chennai.

  Government of Tamil Nadu, India- 2017

- **RASHTRIYA MADHYAMIK SHIKSHA ABHIYAN**

  Government of Tamil Nadu, India First Place, Science Expo – 2017.