DANASIRI P A

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Professional Summary 👤

EEE graduate with hands-on experience in IIoT, embedded systems, and real-time dashboards. Proficient in Python, SQL, and Grafana. Passionate about creating scalable technology solutions with a strong foundation in control systems, automation, and software integration.

Skills 🛠

Languages: Python, SQL, C

Tools/Platforms: Power BI, Tableau, Grafana, Microsoft Office, Arduino IDE, MATLAB, Proteus

Domains: Data Analysis, Dashboard Development, Data Visualization, PCB Design, IIoT, Embedded Systems, Communication Protocols

Education 🎓

St. Joseph's Institute of Technology, Chennai

B.E. – Electrical and Electronics Engineering   2021–2025

CGPA: 6.7

DMNS Dr. Sivanthi Adithanar MHSS, Thoothukudi

HSC – 91%   2021

SSLC – 88%   2019

Internships & Training 🏢

- **KENNAMETAL India Pvt. Ltd.**: Developed Android app and Grafana dashboard for real-time CNC machine monitoring; successfully delivered to client.
- **Tuticorin Thermal Power Station**: Gained exposure to power generation systems and safety protocols.
- **NLC India Ltd.**: Learned power transmission and industrial control systems.
- **NSIC (Virtual)**: Completed practical training in Android App development.

Projects 🕸

- **Three-Wheeler Electric Vehicle Charging System**: Designed and implemented a real-world charging system, enhancing battery longevity for daily operations.
- **Women Safety Tool (IoT)**: Built a real-time GPS + GSM-based alert system using embedded hardware for personal safety during emergencies.
- **Enhanced EV Management System**: Developed a smart battery monitoring and safety system with real-time metrics for improved EV performance.
- **CNC Machine Monitoring App**: Created an Android application to monitor Ecogrind and Ezeegrind CNC machines remotely, integrating with Grafana dashboards.

Certifications ✹

- Microsoft Certified: Power BI Data Analyst
- Data Analytics Essentials -Cisco Networking Academy
- Data Analytics – PrepInsta Prime
- Programming Fundamentals
- PCB with EAGLE
- BEC A2 Certification

Workshops 🖥

- PCB Design – Top Engineers
- Embedded Systems – Top Engineers
- Robotics – RE Tech
- EV Subsystems – EmCog
- Web Development – IEEE Jeppiaar
- IoT – Pantech
- Hub Motor Testing – EmCog

Achievements 🏆

- Organized multiple school events and led 2 National-Level Symposiums.
- Secured 2nd place in Business Planning at an Entrepreneurship Competition.
- Received INR 2.5 lakhs from college for EV project; currently in institutional use.

Soft Skills ★

Leadership, Team Collaboration, Problem Solving, Time Management, Adaptability

Languages 🅰🇿

English – Full Professional

Tamil – Native

Hindi – Read and Write