

## DHANAVANDHAN L

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### PROFESSIONAL SUMMARY

B.Tech graduate in Information Technology with strong technical proficiency in Python, SQL, data analysis, and data visualization. Experienced in data cleaning, exploratory data analysis (EDA), and working with structured datasets to generate meaningful insights. Hands-on exposure through academic and self-driven projects using Tableau, Power BI, HTML, and CSS. Possess a solid foundation in problem-solving, logical thinking, and software fundamentals. Adaptable team player with a strong learning mindset and the ability to quickly align with organizational requirements.

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### PROJECTS

- **Crop Yield Analysis and Prediction:**  
Studied crop data for rice, groundnut, and sugarcane. Cleaned the data, analyzed patterns, and used charts to understand how crop yield changes.
- **SAFEPARK: REVOLUTIONIZING DRIVER SAFETY WITH REAL-TIME HEALTH MONITORING AND AUTOMATED NAVIGATION:**  
SAFEPARK is a smart driver safety system that uses real-time health monitoring and automated navigation to prevent accidents and ensure safer driving.
- **Global Mobile Sales Analysis:**  
Analyzed mobile phone data with prices and features. Cleaned the data, grouped similar mobiles, and used charts to understand market trends.

**Tools Used:** Python, Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, IOT ,Raspberry Pi, HTML,CSS

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### TECHNICAL SKILLS

- **Languages:** Python, C++
- **Web Technologies:** HTML , CSS , React (Basic)
- **Data Tools:** Power BI, Excel, Tableau,
- **Libraries & Tools:** Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, Flask
- **Other Skills:** Machine Learning , Data Analytics, IOT, REST APIs, Problem Solving

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### INTERNSHIP EXPERIENCE

**National Small Industries Corporation (NSIC), Chennai - IoT Application Intern**

Built IoT prototypes using Raspberry Pi for smart data monitoring and automation.

**Eagle Technology Resources, Chennai - Data & IoT Intern**

Designed Proxing Exclud Powelysid and automation.

## EDUCATION

### Bachelor's Degree

Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College,Avadi,Chennai

Year of Completion: 2025

### Diploma Degree

Shri Sitheswarar Polytechnic College, Arcot

Year of Completion: 2021

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## SOFT SKILLS

Analytical Thinking | Problem Solving | Attention to Detail | Team Collaboration | Time Management

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## CERTIFICATIONS & ACHIEVEMENTS

- \* Diploma in Data Science with Python and Machine Learning - CADD Academy
- \* Certified as Trainee by NSIC in IoT Applications
- \* Certified by Vel Tech in Python for Data Science
- \* 2nd Place in District-Level IoT Project Competition
- \* Past President - JCI Student Chamber

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## LANGUAGES

English | Tamil | Hindi