DICKSON DAVID

# Software Engineer

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# PROFESSIONAL EXPERIENCE

**Gleason Works Bangalore, Karnataka**

**Software Engineer | DotNet and Python Developer Aug 2023 - Present**

* Collaborated with Machine Testing Team and Web Development Team to build Gleason **4.0 type api** functions in Blazor Web Application.
* Built a **Collector Module** to collect data from CNC Machines and feed them to Influxdb for Data Visualization.
* Developed a **C++ Adapter** using the MT Connect Standard to communicate with machines and IFM Vibration Sensors, extracting data efficiently based on polling delays and scan rates.
* Engineered a Python-based **Fingerprint Module Watcher** to monitor designated folder, automatically uploading files to Minio service upon creation; streamlined data transfer process, increasing efficiency by 40%.

**Tata Consultancy Services Bangalore, Karnataka**

**Assistant System Engineer | AI - MFDM Developer Dec 2021 - Aug 2023**

* As an MFDM Developer in Automation Based task team, I created **10 Bots using C# (.net)** as programming Language and more than **13 Bots in SAP** using VBAas a tool for scripting.
* Led the development of **Selenium-based web scraping bots** to monitor server health and security threats, providing real-time updates to the team using .Net and Python, enhancing response time by 50.
* Automated a data retrieval use case from Active Directory using **Appium and Win App driver**, increasing process efficiency by 40% and enabling seamless data integration with SAP transaction tcodes.
* Using **Tesseract-OCR,** automated an BW system based process chain monitoring which identifies the text captured in screenshot and creates an report in excel. (.Net and C#).
* Reduced the cost involved in Human intervention by developing Macro Based Excel Bots that provides **Monitoring, Self-heal and Mail generation** on SAP services and saved minimum of 10 hours of man time spent on using t-codes to monitor. *(Visual Basic - VBA)*

**RRSON Infotech Pvt Ltd Krishnagiri, Tamil Nadu**

**Lead Web Developer May 2020- Dec 2021**

* As a Lead Web Developer, I Designed and Developed 6 Live Websites increasing the Annual revenue by 70%.
* **Hit protocol** – Created a **Crypto based Website** with hitprotocol coins which generated an estimated profit up to 60%. Incorporated MLM Referral System based on **Binary Tree** and **Live cryptocurrency Exchange rates generator.**
* **Green Tree Immigration** – Built an **Online CRM Portal** that incorporates all tasks done by Process and Sales Employees with **Human Resource** and **Leads Management** and generated a annual Revenue of Rs. 1,62,76,000.
* **Prizopriz India –** Used MLM Based **Binary Tree** Referral System to develop **Multi-Vendor Ecommerce**
* Website along with a **JOB BOARD Portal** increasing **sales by 60%.**
* **Annamalai Maligai** – Implemented a Full-Scale **Ecommerce platform** for Annamalai Maligai along with Multiple Stock Update and Bill Machine Integration.

# EDUCATION

**BE - Electronics and Communication Engineering Salem, TN**

***Dhirajlal Gandhi College of Engineering and Technology –*** Graduated with 6.2 CGPA **2016-2020**

**Higher Secondary Education – Computer Science Krishnagiri, TN**

***Nalanda Matric Higher Secondary School –*** Completed with 78% **2015-2016**

**Secondary Education – Computer Science Mettupalayam, TN**

***Metro Matric Higher Secondary School –*** Completed with 92% **2013-2014**

**SKILLS**

**Programming Languages :** Python, Influxdb, C#, C++, Html-Css, Javascript, jQuery, Bootstrap, Laravel, PHP and MySql

**Technologies :**  Flask, Grafana, Dotnet Framework, Blazor Applications, Git and Docker.

**Concepts :** Machine Learning, Artificial Intelligence, Web & Application Development and Scripting.

**EXTRACURRICULARS & AWARDS**

* Got Awarded with **TCS GEMS AWARD** for Certificate Expiry Tracker **- TCS (Sept 2022)**
* Awarded with Star of the Month Award – **TCS (Sept 2022)**
* Completed **Advanced Diploma in Python Programming** with A+ grade – **CSC Computer Education (Dec 2021)**
* Completed **Full Stack Web Development** with A grade – **CSC Computer Education (Oct 2021)**