

Thirumalai Vasan

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EDUCATION

Rajiv Gandhi
Engineering College
B.Tech in Electrical &
Electronics Engineering
Puducherry, IN | Aug 2017
CGPA: 6.24

RESOURCES

GITHUB:
[https://github.com/
thirumalaivasan95](https://github.com/thirumalaivasan95)
LINKEDIN:
[https://www.linkedin.com/
in/thirumalaivasan95/](https://www.linkedin.com/in/thirumalaivasan95/)
WEBSITE:
[https://
thirumalaivasan95.github.io/
personalSite/](https://thirumalaivasan95.github.io/personalSite/)

SKILLS

Programming
C, C++, Python,
JavaScript, MongoDB,
MySQL, HTML, CSS
Technologies
Linux, macOS, Git,
Django, Pandas, Numpy,
STL, OOPS, DSA, Azure
Kubernetes, Keras,
DevOps, Tableau, Docker,
Bootstrap, jQuery,
Firebase, React, EJS, NPM,
Languages
Tamil, English, French,
Telugu

PROFESSIONAL SUMMARY

Technical Team Lead with 6+ years in software development. Expert in C++, Python, CI/CD. Improved system performance by 20-40%, reduced deployment cycles by 30%. Led teams across automotive, enterprise, and data infrastructure projects.

EXPERIENCE

Larsen and Toubro

Technical Team Lead

Feb' 2023 - Present | Chennai, IN

Manager: Manikandan

- Led the CAT 1A team, improving truck systems with C++ and Linux, boosting data efficiency by 40% and managing 2TB+ of data.
- Automated CI/CD pipelines with GitLab, reducing deployment cycles by 30% and ensuring 99.9% uptime, while building scalable SOAP/REST APIs to enhance cross-module communication and boost system interoperability by 20%.

CAPGEMINI

Professional Consultant

Sep' 2019 - Feb' 2023 | Chennai, IN

Manager: Sheik, Noor Mohammad

- Worked for Renault Nissan Technology Business Center India. Enhanced ECU by 20% through MISRA-C & advanced C++ models.
- Deployed automated test suites via GitLab CI/CD, cutting delivery timelines by 25%.

ACCENTURE

IT Operations Associate

Feb' 2019 - Aug' 2019 | Bangalore, IN

Manager: Vamshidhar

- Resolved complex technical issues, achieving 99.9% uptime for client systems.
- Streamlined processes to reduce operational expenses by 20%.

PROJECTS

AUTONOMY LOGGER

Jan' 2021 - Feb' 2022

- Designed and implemented advanced data logging systems, integrating hardware and software for seamless operations.
- Configured ROS integration files and instances for camera systems,

CREDIT CARD SPEND LINEAR REGRESSION

Feb' 2020 - Apr' 2020

- Built a predictive model using Linear Regression and Random Forest, achieving an R^2 score of 0.714 to analyze and forecast spending.
- Preprocessed and analyzed large datasets using Python and SQL to derive actionable insights.

EDA & TRANSACTION PREDICTION

Sep' 2022 - Jan' 2023

- Designed a model to optimize retail pricing strategies and maximize revenue using SQL and Tableau for data visualization.
- Conducted exploratory data analysis to uncover profitability factors, driving strategic decisions.