

VARUN KARTHIK MURUGANANTHAN

Software Developer | Machine Learning Intern | Java Programming | Problem Solving
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Summary

Motivated and detail-oriented Software Developer and Machine Learning Intern with a strong foundation in embedded systems, software development, and data-driven technologies. Skilled in Java, Python, and machine learning algorithms, with hands-on experience in developing and optimizing solutions during an internship at L&T Technology Services. Currently applying analytical and programming skills to build, train, and evaluate machine learning models. Demonstrated ability to collaborate effectively in fast-paced environments to deliver efficient, reliable, and innovative software solutions.

Key Achievements

Enhanced Code Efficiency

Improved software performance by 30% through code optimization and error resolution.

Efficient Research Methods

Reduced project research time by 20% through effective data summarization techniques.

Increased Productivity

Automated 100+ data entry tasks, increasing productivity by 40% within a month.

Efficient Completion

Coordinated efforts to meet deadlines, ensuring all tasks were completed efficiently.

Innovative Solutions Delivered

Contributed to 5 innovative project solutions through collaborative team efforts.

Experience

Vcodes

Chennai, India

Machine Learning Intern

10/2025 - Present

Vcodes is an innovative technology company focused on delivering cutting-edge machine learning solutions.

- Learning about the basics of machine learning and to apply the methodologies into the projects in order to complete the given tasks efficiently
- Acquired foundational knowledge in machine learning by completing [X] hours of training, enabling efficient application of methodologies at Vcodes.

L&T Technology Services

Chennai, India

Project Intern

07/2024 - 08/2024

L&T Technology Services is a leading technology and engineering services company

- Conducted research for projects, compiling concise summaries of findings and clarifying project specifications
- Participated in brainstorming sessions to devise cost-effective solutions for team challenges and effectively prioritized tasks to align with project goals

Trios Technologies Pvt. Ltd

Chennai, India

Java Intern

07/2024 - 07/2024

Trios Technologies Pvt. Ltd. specializes in software development and technology solutions

- Automated data entry tasks through the development of Java programs, enhancing the development environment for optimal maintenance
- Identified and resolved errors in existing code to improve system functionality, contributing to the overall reliability of applications

Education

KCG College of Technology

Chennai

B.E.: Electronics & Communication Engineering | CGPA: **7.79** / 10

08/2021 - 05/2025

Projects

Resume Generation Using LaTeX and Bash Scripting

Tools & Technologies: Python, LaTeX, Bash Scripting, Excel.

- Designed and implemented an automated pipeline to convert structured Excel data into LaTeX-based resume templates using Python.
- Utilized Bash scripting to compile LaTeX code into professional resume formats, ensuring accuracy, consistency, and reduced manual effort.

Design and Fabrication of Low-cost and Miniaturized Gas Sensor Setup

A project involving gas sensor technology using miniaturization techniques for practical applications

- Developed a miniaturized setup for analyzing different gases in the substrate by simulation using TinkerCAD
- Implemented low-level design principles to ensure robustness, followed by a systematic approach to test scenario creation for performance evaluation
- Developed a hardware setup for analyzing different gases by fabricating the gas sensor using nanocomposites and integrating it with Arduino

Skills

Gmail • GitHub • Java • Agile • Arduino • IoT • Python • Machine Learning • Team work • Punctual

Languages

Tamil

English