

# KRUSANTH S

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## EXECUTIVE SUMMERY

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Full Stack Developer and Computer Science and Engineering student with a strong foundation in problem-solving, data structures, and software development concepts. Seeking a Software Development Internship to apply technical skills, learn from experienced engineers, and contribute to real-world, impactful products.

## SKILLS

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**Languages:** Java, C, JavaScript.

**Technologies & Tools:** Node.js, Express.js, HTML, CSS, Bootstrap, MongoDB.

**Core Concepts:** Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP).

## PROJECT WORK

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### Smart Bus Automation

- Implemented RFID-based student verification and GPS tracking to ensure only fee-paying students use the bus and to provide real-time bus location updates.
- Installed vibration sensors to detect accidents and automatically notify college management for quick rescue.
- Planned future enhancements to improve bus safety, efficiency, and student convenience. Used HTML, CSS, JavaScript, Node.js, Express.js, MongoDB.

### Skill Swap Platform

- Currently developing a scalable Skill Swap platform supporting free peer-to-peer learning and paid mentorship, with secure role-based access for learners and mentors.
- Implementing backend APIs using Node.js and Express.js and optimizing MongoDB operations to manage skill listings, user interactions, swap history, and learning records.
- Automating core workflows including skill requests, approvals, and progress tracking to enhance platform efficiency and user engagement.

## EDUCATION

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**Dhanalakshmi Shrinivasan University, Trichy.**

*Aug 2023 - Jun 2027*

B.Tech. in Computer Science and Engineering

Relevant Coursework: Data Structures and Algorithms, Object Oriented Programming, DBMS, Discrete Maths, Operating Systems, Computer Networks, Machine Learning, Data Mining.

## ACHIEVEMENTS

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- Solved 50+ problems on LeetCode and other competitive coding platforms, demonstrating strong problem-solving and algorithmic skills.
- Won awards/prizes in coding competitions and code debugging contests, showcasing excellence in practical programming and analytical thinking.
- Completed NPTEL courses in Programming in Java and Cloud Computing, and currently pursuing Problem Solving using C. enhancing technical knowledge and practical coding expertise.