

# KAVIMANI V

## SOFTWARE ENGINEER

### CONTACT

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- 📍 Chennai, India

 [My LinkedIn profile](#)

 [My github profile](#)

### SKILLS

- **Programming Languages:** C,C++,Python  
(for Data Science), Java,JavaScript
- **Web Technologies:** HTML, CSS, Flask
- **Databases:** Oracle, MongoDB, SQL
- **Tools & Platforms:** Git,GitHub ,vscode
- **Core Areas:** Data Structures & Algorithms,  
Machine Learning (beginner), Computer  
Vision
- CS Fundamentals: OOP, OS, DBMS, CN

### LANGUAGES

- Tamil
- English (Fluent)

### ACHIEVEMENTS

- [NPTEL Programming in JAVA-Elite scorer](#)
- [SQL Event Winner](#)
- Attended NSS Camp(Volunteering)

### SOFT SKILLS

- Critical thinking
- Team Work
- Adaptability
- Leadership
- Communication



### PROFILE

Enthusiastic Software Engineer specializing in full-stack development, data structures, and scalable applications using Python, Java, and SQL. Seeking opportunities to apply my skills in financial technology or enterprise-grade systems.

### PROJECTS

#### • MDB(Movie DataBase) Application

Web application -DBMS Project

**Tech Stack:** Java, Oracle SQL, JDBC, Swing

- Developed a Java-based movie management system with an Oracle backend.
- Implemented features for movie exploration, user ratings, and record management (actors, genres, directors).Collaborated with 2 peers to complete and test the application.

#### • Weapon detection website

Computer vision Project

**Tech Stack:** Python, OpenCV, HOG Features, Flask, HTML/CSS, Render

- Built a machine learning-powered web application to detect weapons in uploaded images or live camera feeds.
- Used HOG (Histogram of Oriented Gradients) feature extraction and OpenCV for object detection.Worked in a team of 3 to deploy a fully functioning public demo.
- [Link to website](#)

#### • Gatepass Management(For Hostels)

Data structures Project

**Tech Stack:** C++, Binary Search Tree (BST), File Handling

- Designed and developed a C++ program using BST to efficiently manage student pass requests and room allocations.
- Implemented logic to allow hostel wardens (RC) to approve or reject passes.



### CERTIFICATIONS

- [Full stack Development Workshop](#)
- [Coursera Programming in Javascript](#)
- [Machine Learning](#)
- [NPTEL Programming in Java](#)

### EDUCATION

Anna University,MIT campus,Chennai

2023-PRESENT

- Bachelor of Technology in Artificial Intelligence and Data Science
- CGPA - 8.196(till 3rd semester)

**AKT Academy MHSS** -Higher Secondary Examination: 96.66%