KAVIMANI V

SOFTWARE ENGINEER

CONTACT

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📍 Chennai,India

in [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-E**lite 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.
  - [GitHub link](#)

- **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.
  - [GitHub link](#)
  - [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.
  - [GitHub link](#)

CERTIFICATIONS

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

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%