Mohanvel A
B. Tech Information Technology
KARPAGAM COLLEGE OF ENGINEERING
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Gender: Male
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Leetcode | Code Chef |Github | LinkedIn

| Examination | University | Institute | Year | CGPA (%) |
|---|---|---|---|---|
| Graduation | Anna University | Karpagam College of Engineering | 2026 | 7.6 |
| HSC | State Board | Kongu Matriculation Higher Secondary School | 2022 | 8.7% |
| SSLC | State Board | Kongu Matriculation Higher Secondary School | 2020 | 9.1% |

## SKILLS SUMMARY

Languages:Python, Java,C, HTML, JavaScript
Frameworks:Numpy
Tools : MySQL, CSS, Servlet, Jsp
Platforms : Visual Studio Code,Eclipse Enterprise,Colab
Soft Skills : Communication, Team Management , Problem Solving

## KEY PROJECTS

**Real Time Gender Detection | Self Project |** Github                                    *[Nov '24 – Dec '24]*
- A machine learning-based real-time gender detection system for high-accuracy classification from visual data. It ensures efficient predictions and a user-friendly experience, making it ideal for applications requiring gender-based insights.
- **Technological Stack:** OpenCV, TensorFlow/Keras, NumPy, Flask, Google Colab, and a custom-trained CNN.

**Restaurant Reservation System | Self Project|** Github                                    *[Sept '23 – Nov '23]*
- Developed a restaurant reservation system enabling users to book tables and admins to manage requests. Data was handled via MySQL, with dynamic web pages for status updates and admin
- **Technological Stack**: Java, JSP, Servlet, MySQL, HTML, CSS.

**Copy-Move Image Forgery Detection | Team |** Github                                    *[Sept '23 – Jan'24]*
- Developed a system to detect copy-move forgery in digital images using block-based methods and SIFT algorithms. Achieved high accuracy in identifying manipulated sections.
- **Technological Stack**: Python, OpenCV, NumPy.

## CERTIFICATIONS

- Completed Data Structure and Algorithm using Java                                    *[Jul'23]*
- NPTEL Course on Data Structures and Algorithms Using Java                            *[Jan '24]*
- IIT Spoken tutorial Course on Java                                                   *[Jun '24]*
- IIT Spoken tutorial Course on Python                                                 *[Mar'23]*

## SCHOLASTIC ACHIEVEMENTS

- Got **13th rank** in the **Coding Challenge** organized by the **Delhi Skill and Entrepreneurship University**, Okhla II Campus, Delhi.

## EXTRA-CURRICULAR ACTIVITIES

| Technical | <ul><li>Participated in Smart India Hackathon (SIH)</li><li>Participated in the SMART MAKE-A-THON, SMART Maker Festival 2024, organized by the Society for Makers, Artists, Researchers & Technologists at the IEM Management House</li><li>Actively practicing DSA problems \| Solved 200+ in Leetcode</li><li>Actively practicing DSA problems \| Solved 350+ in CodeChef</li></ul> | *[ Oct '24]*<br>*[ Sep '24]* |
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