

# VIJAYADHARSHINI S

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## SUMMARY

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A highly motivated individual with a strong foundation in Python, SQL, and basics of Java. Experienced in developing web applications and working with databases through academic projects and internships. Proficient in problem-solving, debugging, and object-oriented programming concepts. Eager to contribute to collaborative software development environments and learn new technologies.

## SKILLS

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**Languages:** Python, HTML, CSS, JavaScript, SQL, Java (basic)

**Libraries & Frameworks:** React.js, Numpy, Pandas

**Technologies and tools:** GitHub

## INTERNSHIP

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**National Small Industries Corporation Ltd., Guindy**

Jul 2022

Machine Learning using Python

Skills Gained: Machine Learning, Python, Numpy, Pandas

## PROJECT

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### Leveraging Machine Learning in IoT Shield: Smart Safety for Women

- Proposed a portable women's safety device that activates in emergency situations and sends alert notification to the victim's contacts and nearby police station via recently used apps.
- Face detection based on machine learning algorithms to capture digital evidence and CNN is used to detect the face with several processing layers.
- IoT elements, Embedded C++, Machine Learning, Python, Google Colab

### Face recognition-based Secured Online Voting System

- Developed a facial recognition system using the Random Forest algorithm to detect faces and authenticate users.
- Integrated Simple Mail Transfer Protocol to send a one-time password to the user's email for login verification.
- HTML, CSS, JavaScript, PHP, Python, Random Forest, MySQL

## EDUCATION

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**Bachelor's of Technology - Information Technology**

2020 - 2024

SRM Valliammai Engineering College | CGPA: 8.39

## CO-CURRICULAR ACTIVITIES

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### Certifications

- Data Analysis with Python | IBM Jun 2024
- Advanced SQL | Hackerrank Jun 2024
- Web Development | Udemy Jan 2024

### Achievement

The project "Leveraging Machine Learning in IoT Shield: Smart Safety for Women" is selected as the best outstanding project and secured 1st price in all over the IT department | 2024

### Conference

- Presented a project titled 'Leveraging Machine Learning in IoT Shield: Smart Safety for Women' in ICICT'24
- I took part in the National level conference on recent trends in 'Computational Intelligence' - 2023

### Membership

- ISTE (Indian Society for Technical Education)