

# SABARIVASAN C

*B.E. Computer Science and Engineering*

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## Profile

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Motivated Computer Science graduate with expertise in web development, machine learning, and cybersecurity. Passionate about applying technical knowledge to drive organizational success. Skilled in problem-solving, data structures, and algorithms with a focus on building innovative solutions.

## Education

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### B.E. Computer Science & Engineering

*Annamalai University (2020 – 2024)*

*CGPA: 8.6*

### Senior Secondary (HSC)

Kamaraj Matric HR Sec School

*Percentage: 72% (2020)*

### Secondary (SSLC)

Kamaraj Matric HR Sec School

*Percentage: 81.8% (2018)*

## Experience

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### Velozion Technologies Pvt Ltd

*August 2024 – Present*

*Software Trainee*

- Developed and maintained websites using HTML, CSS, and JavaScript.
- Collaborated with senior developers to implement responsive and user-friendly designs.
- Participated in debugging, testing, and deploying website features, improving overall performance.

### Shisah Info Solutions Pvt Ltd

*June 2023 – July 2023*

*Machine Learning Intern*

- Developed and deployed machine learning models in Python using regression and classification algorithms.
- Applied feature engineering and pre-processing techniques to enhance model performance.
- Analyzed datasets and fine-tuned machine learning models for optimal accuracy.

### Acmegrade Pvt Ltd

*August 2023 – October 2023*

*Cybersecurity Intern*

- Conducted vulnerability assessments and penetration testing on networks.
- Gained hands-on experience with ethical hacking tools and security protocols.
- Assisted in risk analysis and reporting to improve the security posture of the organization.

## Skills

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**Programming Languages:** Python, Java, JavaScript

**Web Development:** HTML, CSS, JavaScript, Bootstrap, Django

**Tools & Frameworks:** Git, GitHub, VS Code, PyCharm, IntelliJ, Jupyter

**Machine Learning:** TensorFlow, Keras, Regression, Classification, CNN

**Cybersecurity:** Network Security, Ethical Hacking, Penetration Testing

**Problem-Solving:** Data Structures, Algorithms, LeetCode

## Certifications

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- **Acmegrade Cybersecurity Course:** Network Security, Ethical Hacking
- **Machine Learning Internship Certificate:** Python, TensorFlow, Model Training
- **HackerRank Certifications:**
  - Java Certification – Proficiency in OOP, Data Structures, Algorithms
  - Python Certification – Core Concepts, List Comprehensions, File Handling
  - JavaScript Certification – ES6, DOM Manipulation, Asynchronous Programming
  - CSS Certification – Responsive Design, Flexbox, Grid, Animations
- **Cisco JavaScript Badge:** Proficiency in ES6, Event Handling, API Integration

## Projects

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### **Snake Game in Java**

- Developed a classic Snake game utilizing object-oriented programming principles such as encapsulation, inheritance, and polymorphism.
- Incorporated dynamic difficulty levels, adjusting the game speed based on player progress.
- Used Java Swing for GUI design and implemented event listeners for seamless gameplay.

### **Blood Bank Management System**

- Built a full-stack web application for managing blood donations and requests.
- Implemented an admin panel for accepting/rejecting blood donation requests.
- Enabled email notifications to update users about their request status.
- Deployed the system on a server for public access.

### **Colon Cancer Detection**

- Developed a CNN model for detecting colon cancer from a dataset of over 5,000 medical images.
- Achieved 95% accuracy by applying image preprocessing techniques like resizing and normalization.
- Trained the model using TensorFlow/Keras, achieving high precision in classification.

## Achievements

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- Cleared TCS NQT with a score of 71.59%
- Solved 200+ problems on LeetCode, improving problem-solving and algorithmic skills
- Member of the state-level throwball team (2018 – 2020)

## Languages

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**Tamil (Native), English (Fluent)**