

# A S Sudharani

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## PROFESSIONAL SUMMARY

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Computer Science Engineering graduate skilled in Python, Java, SQL, and DevOps tools (Git, CI/CD, Docker). Hands-on in AI/ML, cloud deployment, and software development through projects and internships. Delivered solutions like CropCare (AI for agriculture) and Signature Recognition System (ML-based authentication). Seeking roles in Software Development, Data/AI, or DevOps to apply technical skills and problem-solving ability.

## TECHNICAL SKILLS

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- Languages: Python, C, Java (basic)
- Web Technologies: HTML, CSS
- Databases: SQL
- DevOps Tools: Git, CI/CD pipelines, Docker (basic)
- Other: Problem-solving, Teamwork, Communication

## EDUCATION

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- Bachelor of Engineering (CSE) – The Oxford College of Engineering | CGPA: 8.2 | Graduated 2021- 2025
- Pre-University (XII) – Diamond Institution of PU College | 2019–2021

## PROJECTS

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- Signature Recognition & Verification System (2024)
  - Developed an ML-based system for authenticating handwritten signatures.
  - Applied image processing & classification techniques to detect forgery patterns.
- CropCare – Smart Agriculture Assistant (2024)
  - Built a system for plant disease detection, pesticide suggestions, and crop price monitoring.
  - Integrated deep learning (Faster R-CNN) and developed a farmer-buyer GUI.



- LibraTrack – Enhanced Book Tracking & Lending System (2024)
  - Designed a software solution for library management with automated workflows.
  - Improved user experience with a clean, efficient interface.

## INTERNSHIPS

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- DevOps Engineer Intern – Rooman Technology 2025
  - Worked on CI/CD pipelines, version control (Git), and Docker-based deployments.
  - Automated build & release processes and assisted with cloud-based deployment tasks.
- Robotics Intern – Comedkares Innovation Hub 2023
  - Assisted in robotic prototype design, programming, and debugging.
  - Gained exposure to automation and testing of hardware-software integration.

## CERTIFICATIONS

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- Java Programming – Great Learning (2024)
- Introduction to Cybersecurity – Great Learning (2024)

## COMPETITION

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- Micro Mouse Maze – IIT Madras (2024) – Participated in robotics maze-solving competition.
- Robo Oceana – IIT Madras (2024) – Participated in underwater robotics challenge.

## INVOLVEMENT

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- Cybersecurity Club – The Oxford College of Engineering (Nov 2023 – Mar 2024)
  - Delivered awareness sessions on cybersecurity principles and best practices.
  - Competed in cybersecurity quizzes and contributed to student initiatives.

## ADDITIONAL INFORMATION

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- Languages: English, Kannada, Hindi
- Strengths: Quick Learner, Good Communication Skills