



SANDESH KAWANE

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SKILLS AND CERTIFICATIONS

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|------------------------|--|
| Languages: | C, C++, Java, Python, SQL |
| Technologies: | Git, Docker, CLI, Computer Networks, Cybersecurity, Cloud Computing, Linux |
| Certifications: | Google - Foundations of Cybersecurity Google Cloud Computing Foundations Google - Data Analyst Learning Path Generative AI by Microsoft and LinkedIn |

EDUCATION

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|--------------------|--|-------------------|
| Dec '21 - Present | Vishwakarma Institute of Technology, Pune Bachelor's of Technology, Computer Engineering | CGPA: 8.66 |
| June '19 - May '21 | Nutan Junior College, Malkapur HSC Board - Class XII | 92.17% |
| May '19 | Madhubhau Saoji Memorial English School, Malkapur Central Board of Secondary Education - Class X | 90.40% |

PROJECTS

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| March '24 | NetSentinel: Network Packets Detection and Prevention • Built a web application for Network Intrusion Detection and Prevention (NIDP). This system integrates real-time monitoring, attack prediction using machine learning (99.8% accuracy), and user authentication. • Implemented security features like HTTPS, reCAPTCHA, and parameterized queries to safeguard data and prevent unauthorized access. <i>Node.js Express MongoDB Python (pyshark) Machine Learning (pandas, numpy) Ejs, Flash Network Security API: Google reCAPTCHA</i> | Host GitHub |
| April '24 | LANCast: Local Network File Sharing • Developed LANCast, a Node.js file-sharing web application for local Wi-Fi networks. It offers an intuitive user interface for login, user management (online/offline status), and file sharing. • Broadcast feature - users can share files with anyone on the network using the broadcaster's IP address. <i>Node.js Express React.js SQL Socket Networking</i> | GitHub |
| October '23 | Analysis of Sorting Algorithms with Graphical Representation in C • 5 sorting algorithms in C to evaluate performance across array sizes to understand time complexities. • Utilized the pbPlots library to visualize trends in time complexities, providing insightful graphical representations of the sorting algorithms' performance. <i>C pbPlots Sorting Algorithms Pointers</i> | GitHub |
| Other Projects | Resume Screener using NLP HTTP Client Server Connection using TCP/IP Multi-Level Encryption (Ideation) Accident Detection and Notifier System Memory Allocation Simulation in C | |

EXTRA CURRICULAR

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|--------------------|--|---|
| June '24 | Mastercard Cybersecurity Virtual experience Program • Analyzed and identified security vulnerabilities through simulations, focusing on phishing attempts. • Recommended enhanced security training programs for targeted teams within the organization. | Forage |
| July '22 - May '24 | Research & Innovation - Social Activity Secretary • Led "Aatmabodh'24" with 400 volunteers and 64 coordinators Organized 5 social service activities for 500 volunteers Achieved a record 602 blood donations for "Blood-D'22" Secured an MOU with iVolunteer for social initiatives Conducted community surveys and Collaborated with government schools for "Utkarsh". | Social Welfare and Development Committee |
| Oct '22 - May '24 | Database Secretary • Manage data using Google Forms, Sheets, and Excel, designing HTML/CSS email for Communication. | Computer Society of India, VIT Pune |

ACHIEVEMENTS AND PUBLICATIONS

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| February '24 | Springer Publication - Accident Detection and Prevention for Advanced Driver Assistance System |
| April '23 | SPIT Innovation Cup 2023 - Round 1 Winner |
| February '23 | Tech for Good Hackathon 2023 - Winner |