

ABHIJITH A

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EDUCATION

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| Sahyadri College of Engineering and Management | 2021-25 |
| Bachelor of Engineering in Computer Science and Engineering | |
| B.E.M Higher Secondary School, Kasargod, India | 2019-21 |
| Class XII/Pre-University Education(PCMB) | |
| Chinmaya Vidyalaya,Vidyanagar, Kasargod, India | 2019 |
| Class X | |

INTERNSHIP

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| Centre of Excellence Digital Forensics intelligence and Cyber Security | Oct 2023-Nov 2023 |
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USB Rubber Ducky

- Developed a keystroke injection tool using Raspberry Pi Pico, Python, and additional technologies like Wireshark, Nmap, and Arduino to simulate real-world security scenarios.
- Designed a hardware-scripting solution to emulate keyboard inputs, enabling effective testing of key security vulnerabilities and scenarios.

PROJECTS

Early Sepsis Detection System

- Developed a machine learning system to predict sepsis onset using advanced algorithms and feature engineering, enabling timely interventions and improving clinical decision-making.
- Leveraged the PhysioNet dataset and cutting-edge tools like Python, LightGBM, Random Forest, and Matplotlib to extract critical patterns and enhance healthcare outcomes.

Multiple Face Detection and Recognition

- Designed a system for simultaneous face detection and recognition, ensuring robust identification in diverse environments.
- Utilized Python, VSCode, and GitHub Desktop to develop a solution suitable for security applications like access control, public surveillance, and attendance tracking.

Portfolio Website Development

- Designed and developed a personal portfolio website using HTML, CSS, and JavaScript to showcase projects and skills with an interactive, responsive interface.
- Optimized the website for cross-device compatibility, enhanced interactivity with dynamic elements, and ensured seamless performance for an engaging user experience.

TECHNICAL SKILLS AND INTERESTS

- **Languages:** Java, Python, C, HTML
- **Developer Tools:** Visual Studio Code, Google Collab, Apache NetBeans, Git, Eclipse, Thonny
- **Databases:** MySQL
- **Soft Skills:** Problem-solving, Team collaboration, Time management, Effective communication

CERTIFICATE

- **Introduction to Artificial Intelligence:** Infosys Springboard
- **Database and SQL:** Infosys Springboard