ABHIJITH A

Computer Science Engineer

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SUMMARY

Computer Science and Engineering student with experience in cybersecurity, machine learning, and web development. Skilled in creating innovative solutions like a keystroke injection tool and sepsis detection system. Proficient in Java, Python, C, and databases, with a strong focus on problem-solving and continuous learning.

EDUCATION

Bachelor of Engineering in Computer Science and Engineering
Sahyadri College of Engineering and Management
2021 – 2025

Class XII/Pre-University Education (PCMB)
B.E.M Higher Secondary School
2019 - 2021

Class X
Chinmaya Vidyalaya(CBSE)
2019

TECHNICAL SKILLS

Languages: Java, Python, C, HTML,CSS

Developer Tools: Visual Studio Code, Google Collab, Apache NetBeans, Git, Eclipse, Thonny

Databases: MySQL, MongoDB

SOFT SKILLS

Problem-solving, Team collaboration, Time management, Creativity, Work Ethic, Adaptability

CERTIFICATIONS

Introduction to Artificial Intelligence
Infosys Springboard

Database and SQL
Infosys Springboard

HOBBIES

Fitness, Movie & Series Enthusiast, Traveling, Gaming, Photography

EXPERIENCE

Intern
Centre of Excellence Digital Forensics intelligence and Cyber Security
10/2023 - 11/2023

- 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.

Gym Management System

- Designed and developed a Gym Management System to handle memberships, schedule classes, and monitor member progress, ensuring streamlined operations.
- Utilized Java, MySQL, and Apache NetBeans to implement features like real-time analytics and optimized class scheduling, enhancing efficiency and member satisfaction.