

CHRISTO JOHN

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A self-driven curious personality to understand problems and create solutions. To be able to learn, unlearn and adapt to niches.

EDUCATION

B.Tech in Computer Science and Engineering (2018-2022)
Sahrdaya College Of Engg. And Tech. • **TOP 5** • **CGPA 8.83**
APJ Abdul Kalam Technological University

AISSE (Class XII) • CBSE (2016-2017)
Emirates Future Int'l Academy, UAE • **82.3%**
Award of Appreciation • Deputy Head Boy

AISSE (Class X) • CBSE (2014-2015)
Emirates Future Int'l Academy • **CGPA 9.2**

PROJECTS

Wound Management WebApp

- A Custom lightweight CDNN using TENSORFLOW
- Classify Hematoma, Burns, Abscess, Abrasion, and Cuts also suggest emergency treatment, self-built dataset of 200 images per class.
- Accuracy **62%** ON-PAR with ALEXNET and on Transfer-learning method

Proctor System • (Private)

- Python – ML model using YOLO architecture – Process real-time CCTV
- Detect GUNS, HELMETS and BAGS and produces alerts on detection.
- Detected live-trial robbery attempts at a Bank.

Advanced Queue Management System.

- Python program using DJANGO and ORACLE CLOUD.
- Avoids Overhead of Preliminary Data Collection. Easy data handling. Unique Daily Identifier. Secure Token Generation for Patients.

CCTV Footage Compressor

- Python - real-time CCTV footage processing using OpenCV. Subtract Grayscale images to differentiate frames.
- Data compressed to **24 – 63% on avg.**

File Convertor • (Private)

- A Python Program with GUI (TKINTER) convert EXCEL TO PDF and vice versa with support for batch processing.
- Thread process to improve efficiency.
- Image Processing techniques to process tabular data accurately.

Network Analyzer

- A Python Program based subprocess and String Processing.
- Interacts windows Command line to fetch active connections.
- Real-time analysis of Connection and Terminate Blacklisted IP's

ACHIEVEMENTS

- Certified Ethical Hacker – Certified by EC Council.
- Cisco Certified Network Asso. – Trained
- AI-ML Developer (NSQF - 7) – by ASAP Kerala
- Python and Data Structures – Certified by IIT Madras
- 3rd Milestone in Google Cloud Facilitator Program.
- Developed 3 Private Projects
- 2 Research Articles
- Various Positions in Arts and Ideation Fest
- Volunteer – IEDC Summit & TEDxSahrdayaCET

EXPERIENCE (Academic)

CHIEF CREATIVE OFFICER (Oct'20 - Jun'22)

- IEDC Bootcamp Sahrdaya, Kerala
- Organize events and manage students
- Tutored nearly 250 students in **Arduino & Python.**

PLACEMENT CELL LEAD (Oct'18 - Jun'22)

- Sahrdaya College of Engg. & Tech.
- Organize, manage, and support placement related events at college. Achieved 90% placement AY 2022

WEBMASTER (Oct'20 - Jun'22)

- IEDC Bootcamp Sahrdaya
- Manage and develop IEDC OFFICIAL Website.
- Improved page loading time by 44%

SKILLS

Technical: Python, Java, C, Kotlin, Shell Script, GCP, SQL, Ethical Hacking, Networking, IoT, and Web-Dev.

Interpersonal: Leadership, Active Listener, Mentoring, Creativity, Problem Solving, and Team management.

INTERESTS & HOBBIES

- Playing Piano and Composing
- Reading Technical Articles
- Troubleshooting technical issues.
- Badminton and Basketball
- Visiting old age homes and orphanages.