

Saksham

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EDUCATION

Chandigarh University

B.E. in Computer Science Engineering

Punjab, India

Session: 2022-2025, CGPA: 7.07

B.M.M.S.S School

Intermediate (Science)

Punjab, India

Session: 2021-2022, Percentage: 80%

SKILLS

- Problem Solving • Analytical Skills • Fast Learner • Teamwork and Collaboration • Proactive and Ambitious Mindset
- Time Management • Negotiation Skills • Effective Leadership and Decision Making • Research and Writing Skills

TECHNICAL SKILLS

Languages: C/C++, HTML, CSS, JavaScript, C#, SQL

Developer Tools: Github, Google Cloud Platform, Visual Studio, MS Excel, MS Word, Powerpoint, Macros

Libraries: C++ STL, Playwright, Socket.io

RELEVANT COURSEWORK

- Operating System • Computer Networks • Data Structures • Software Methodology • Machine Learning • Database Management • Web Development • Computer Architecture • Object-Oriented Programming • Cybersecurity

RESEARCH EXPERIENCE

Text Detection in Images using Python – Conducted research on extracting textual information from visual data using OpenCV, Tesseract OCR, and image preprocessing techniques.

PROJECTS

Threat Detection Using AI

Feb 2024

- Integrated a novel AI-Powered Threat Detection System, enabling the identification of zero-day exploits by correlating unusual network behavior, enhancing system security and preventing at least 10 potential breaches.
- Deployed a containerized real-time threat monitoring solution with <10ms latency, reducing resource use by 15%.
- Designed and implemented a high-performance data pipeline capable of processing 20K+ security events per second, while unifying multiple security tools into a centralized framework that improved incident response times by 20%.

Heart Attack Predictor

Nov 2024

- Pioneered an AI-powered heart attack prediction system leveraging CNNs to analyze patient medical data, resulting in a 15% improvement in early risk detection.
- Containerized deployment with Docker enabled real-time heart attack predictions for 5K+ users while significantly cutting computational resource use by 40%.
- Optimized preprocessing and CNN architectures, boosting accuracy by 12% and specificity by 20%

FitHub: Streamlined Fitness Management, Meal Planning, and Tracking

June 2025

- Created an online platform dedicated to fitness enthusiasts, including MySQL database for user records.
- Included features for creating personalized meal plans and tracking nutritional intake.

CERTIFICATIONS

Cybersecurity Attack and Defense Fundamentals - Coursera

Databases and SQL for Data Science with Python - Coursera

Foundation of Cloud IOT Edge ML - NPTEL

Using Javascript and Json in Django - Coursera

Web Application and Technologies and Django – Coursera

Successful Negotiation: Essential Strategies and Skills – Coursera

POSITION AND RESPONSIBILITY

Director of Social media operations at ISTE

April 2024 - February 2025