SIDDEQUE SAJEEV

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EDUCATION

Cochin University of Science and Technology, Kochi 2021-2025
Bachelor of Technology in Information Technology **CGPA: 8.30/10**

GOVT HSS Ashtamudi, Kochi 2020 - 2021
Class 12th – DHSE **Percentage: 93.33%**

Infant Jesus Anglo Indian Higher Secondary School, Kollam 2018-2019
Class 10th - ICSE **Percentage: 77.17%**

EXPERIENCE

Internship Studio, Online February 2025 - Present
Ethical Hacking Internship
- Currently learning and applying ethical hacking techniques, including Kali Linux, networking, cryptography, and various attack methods such as man-in-the-middle and social engineering.
- Planning to engage in penetration testing and vulnerability assessments on simulated environments to understand security flaws.
- Preparing to work through Cross-Site Scripting (XSS) labs on Portswigger to build skills in detecting and addressing web vulnerabilities.
- Aiming to document findings from test environments in detailed reports, including proper steps, screenshots, and video evidence.

Keltron Knowledge Centre, Kerala, India June 2024 – July 2024
Cybersecurity And Information Security Internship
- Gained a strong understanding of cybersecurity and information security concepts through comprehensive theoretical studies.
- Acquired hands-on experience with Kali Linux, including the use of various built-in tools for cybersecurity tasks.
- Conducted a vulnerability assessment on a virtual machine hosted in Oracle VirtualBox, identifying potential security weaknesses.
- Demonstrated proficiency in setting up and managing virtual environments for cybersecurity testing and analysis.

ACADEMIC PROJECTS

Real – Time Sign Language Detection
- Developed an AI-driven system for real-time recognition and translation of American Sign Language (ASL) into text and audio to enhance accessibility for the deaf community.
- Used OpenCV and Mediapipe for high-accuracy hand tracking and gesture detection.
- Built and trained a gesture classification model with TensorFlow for accurate ASL sign recognition.
- Integrated Google Text-to-Speech (gTTS) to convert recognized text into audio for effective communication.

Readify- Book Reviewing Website
- Developed an innovative web application using ReactJS for the front-end and Django Rest Framework for the back-end.
- Implemented user authentication and registration features to ensure a secure and personalized experience.
- The platform allows users to create and manage virtual bookshelves, categorize books, and track their reading progress.
- Facilitates personalized book reviews, enabling users to rate, review, and share insights on books.

Lemarche – Student Marketplace
- Developed a Flutter front-end and Django Rest Framework back-end for a campus-specific marketplace.
- Enabled real-time chat for seamless communication between buyers and sellers.
- Integrated Gmail-based sign-in for quick and easy access (without authentication).
- Implemented search, filter, and profile management features to enhance user experience.

AI Poker Bot
- Developed a Texas Hold'em AI using CFR, achieving a 99.99% state space reduction via K-means clustering for efficient strategy computation
- Implemented real-time decision-making with joblib-stored strategies, achieving a competitive win rate.

CERTIFICATIONS
- Python – Kaggle
- Introduction To DevOps – IBM through Coursera

TECHNICAL SKILLS
- Programming Languages: Python, C++, C, HTML, CSS, SQL
- Web Development: Django, Flutter
- Machine Learning – TensorFlow (Keras)