

Keshav Gehlot

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Location: Kattankulathur, Tamil Nadu 60320

**Career Objective**

I am an initiative-taking and resolute Computer Science Engineering student with a solid foundation in software development, problem-solving, and technical skills. Eager to leverage my knowledge and firsthand experience to contribute effectively to a dynamic organization, while continuously learning and growing in the field of technology.

Technical Skills

Programming Languages: Python, C

Web Technologies: HTML, CSS, JavaScript

Tools & Platforms: Git, VS Code, Android Studio, MySQL, Figma

Cybersecurity & Digital Forensic Tools: Kali Linux, FTK Imager, HashMyFiles

Other Technical Skills: Data Structures & Algorithms (DSA), SQL, Linux

Soft Skills

Communication, Leadership, Teamwork, Problem-solving

Projects**Password Strength Checker**

Technologies Used: Python, Regular Expressions, String Analysis, Conditional Statements

Description:

Developed a simple and interactive tool to analyze and evaluate the strength of user passwords. The tool checks various criteria such as length, use of uppercase and lowercase letters, numbers, and special characters. Based on the analysis, it categorizes the password as Weak, Medium, or Strong, helping users create more secure passwords and avoid common vulnerabilities.

Hand Tracking System

Technologies Used: Python, OpenCV, MediaPipe, NumPy

Description:

Implemented a real-time hand tracking system using computer vision techniques. The system detects and tracks hand positions in live video streams, identifying key landmarks such as fingers and palm points. It can be used for gesture recognition, sign language interpretation, or as an input method for interactive applications.

RAW Image Processor

Technologies Used: Python, Tkinter, OpenCV, rawpy, NumPy

Description:

Developed a GUI-based tool to process RAW image formats (e.g., CR3, NEF, DNG) using an unsharp masking technique to reduce blur and enhance sharpness. Users can load RAW images, adjust sharpening parameters through sliders, and save the processed output. The application offers a simple interface for photographers to fine-tune image quality without complex editing software.

GitHub Repository: RAW Image Processor

Personal Portfolio Website

Technologies Used: HTML, CSS, JavaScript

Description:

Designed and developed a fully responsive personal portfolio website to display projects, skills, and contact information. The website features a clean layout and interactive elements to enhance user engagement.

GitHub Repository: PORTFOLIO

AI Stock Predictions

Technologies Used: Python, Machine Learning Libraries (e.g., scikit-learn, TensorFlow), yfinance

Description:

Developed an AI-driven tool to predict stock prices using historical market data. The project involves data collection through the yfinance API, preprocessing, and training machine learning models to forecast future stock trends. The tool aims to assist users in making informed investment decisions.

GitHub Repository: AI-STOCK-Predictions

Certifications / Achievements

- Top 25 Finalist – OSSOME HACKS 2.0 Hackathon
Hosted by GitHub Community SRM | March 2025
Selected as a Top 25 finalist in OSSOME HACKS 2.0, a 36-hour hackathon organized by GitHub Community SRM, held on March 10-11, 2025.
- Participation – 'GO UX' UI/UX Meetup
Organized by Directorate of Entrepreneurship and Innovation, SRM IST | February 22, 2025
Participated in the 'GO UX' UI/UX Meetup, an event fostering innovation and collaboration with industry experts, organized by the Directorate of Entrepreneurship and Innovation at SRM IST.
- Certificate of Completion – Complete Ethical Hacking Bootcamp
Udemy (Instructors: Andrei Neagoie, Aleksa Tamburkovski) | April 29, 2025
Successfully completed the "Complete Ethical Hacking Bootcamp," a 29-hour comprehensive course covering key ethical hacking concepts and practical skills.
Certificate No: UC-d67f46c1-586e-4cd3-b82e-aa0b8dc85559
Reference Number: 0004
- Certificate of Participation – THINK TANK
Microsoft Learn Student Ambassadors, SRMIST | March 2, 2024
Actively engaged and contributed to the THINK TANK event hosted by Microsoft Learn Student Ambassadors, SRMIST, demonstrating dedication and enthusiasm in knowledge and collaboration.
- Certificate of Participation – Hacktrax Hackathon
Alexa Developers SRM | 2024
Participated in the online round of Hacktrax Hackathon conducted by Alexa Developers SRM, highlighting enthusiasm and commitment to problem-solving.
- Organizer – IDEANOVA
NSCC SRM, Department of Networking and Communications, School of Computing | October 23, 2024
Actively organized IDEANOVA, an event hosted by NSCC SRM, Department of Networking and Communications, School of Computing, SRMIST-Kattankulathur.

- Certificate of Completion – Beginning C++ Programming from Beginner to Beyond
Udemy | March 29, 2024
Completed a 46-hour course on C++ programming, covering beginner to advanced concepts.
- Certificate of Completion – Complete Python Developer in 2023: Zero to Mastery
Udemy | October 31, 2023
Completed a 31-hour comprehensive course on Python development, from basics to advanced topics.

Education

M.Tech (Integrated) in Computer Science and Engineering (Cybersecurity & Digital Forensic)

SRM Institute of Science and Technology

Duration: 2024 – 2028

Current CGPA: 7.25

Higher Secondary (Cambridge International AS & A Levels)

Lucky International School

Board: Cambridge Assessment International Education (CAIE)

Year of Passing: 2022

Percentage: 61.5%

Secondary (Cambridge IGCSE)

Lucky International School

Board: Cambridge Assessment International Education (CAIE)

Year of Passing: 2020

Percentage: 75%