



KRISHAY GAHLAUT

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B.Tech, Computer Science and Engineering

Address : 1052, Tower-1, Core-1, Estancia Township, Guduvancheri



SRM
INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University u/s of UGC Act, 1956)

Summary

Computer Science student with strong fundamentals in programming, mobile app development, and algorithmic problem solving. Experienced in building real world projects with a focus on scalability, clean architecture, and practical impact.

Education

SRM IST-Kattankulathur

B.Tech · Computer Science and Engineering

2027

CGPA - 8.28/10

P.M.S Public School

Class XII - CBSE · 37, near PROTON EDUCATION, Civil Lines, Moradabad, Uttar Pradesh 244001

2023

Percentage - 72.6%

Maria School

Class X - ICSE · Mahua Dabra Haripura, Uttarakhand 244712

2021

Percentage - 80%

Projects

BillBuster – Intelligent Expense Splitting Application | [Link](#)

Personal Project · Swift, SwiftUI, CoreData

Jun 2025 - Jun 2025

Mobile Application Development /
FinTech

- Designed and implemented a scalable expense-splitting application for group financial management.
- Engineered automated bill calculation logic to eliminate manual reconciliation errors.
- Implemented persistent local storage using CoreData for structured transaction tracking.
- Built analytics-ready data structures to support expense insights and reporting.
- Delivered a clean, intuitive UI focused on usability and real-world practicality.

AI-Powered Chess Engine | [Link](#)

Personal Project · Python, OOP, Minimax Algorithm

Jul 2026 - Jul 2026

Artificial Intelligence / Algorithm Design

- Developed a rule-based chess engine using object-oriented programming principles.
- Implemented the Minimax algorithm for intelligent move prediction and decision-making.
- Engineered validation logic for legal moves, check detection, and game state management.
- Optimized recursive evaluation functions to improve computational efficiency.
- Strengthened core understanding of search algorithms and game theory concepts.

Autonomous Line Following Robot using Arduino

Academic Project · Arduino UNO, IR Sensors, DC Motors, Motor Driver (L298N), Embedded C

Oct 2025 - Nov 2025

Embedded Systems / Robotics

- Designed and built a four-wheel autonomous robot capable of real-time line tracking.
- Integrated IR sensors to detect contrast between black and white surfaces.
- Implemented embedded control logic to dynamically adjust motor speeds for path correction.
- Engineered motor driver interfacing (L298N) for precise directional control.
- Optimized sensor calibration and response timing to improve tracking accuracy and stability.

FitFuel | [GitHub Link](#)

SwiftUI, MVVM Architecture, PhotosUI, MockAI

Apr 2025 - Jun 2025

iOS App Development

Your Smart Meal Logger & Calorie Tracker

FitFuel is a beautifully designed iOS app built in SwiftUI that helps you track meals, estimate calories, analyze nutritional habits, and stay consistent with reminders. Fully offline, privacy first, and blazing fast.

Weatherly – Real Time Weather Forecasting iOS Application | [Link](#)

Personal Project · Swift, SwiftUI, CoreLocation, Rest APIs, MVVM

May 2025 - Jun 2025

iOS Development

- Architected and developed a real-time weather forecasting app using SwiftUI and MVVM architecture.
- Integrated CoreLocation for accurate geolocation-based weather updates.
- Consumed external REST APIs to dynamically fetch and render live weather data.
- Designed a responsive, production-ready UI with smooth state management and animations.
- Focused on clean architecture, scalability, and maintainable code practices.

Certifications

Mastering Data Structures & Algorithms using C and C++

Sep 2025

Udemy · UC-6bc28171-341d-4d22-81e2-1b9320d8d3b9

AWS Certified Cloud Practitioner | [Validate At](#)

Mar 2026 - Mar 2029

AWS · d7cec4b07a4642ed87ab566a2cac16e3

Demonstrates foundational knowledge of AWS cloud services, architecture, security, and pricing models.

AWS Certified AI Practitioner | [Validate At](#)

Mar 2026 - Mar 2029

AWS · 0b8bc17276764f3db5742f5f94452a4a

AWS Certified AI Practitioner with proven understanding of AI/ML fundamentals, cloud-based AI services, and practical implementation using AWS tools.

iOS & Swift - The Complete iOS App Development Bootcamp

Sep 2025

Udemy · UC-ce3dc6aa-28a4-424f-a984-35a71514fc73

Programming in Java

Oct 2025

NPTEL Online Certification · NPTEL24CS105S152504236

Volunteering

Indian Red Cross Society – District Branch, Jaspur (Udham Singh Nagar, Uttarakhand) | [Jaspur Times – 24-Hour Blood Donation Camp Coverage](#)

Event Volunteer & Camp Coordinator · Public Health & Blood Donation Awareness

Volunteered at a 24-hour Blood Donation Camp with the Indian Red Cross Society, supporting donor coordination and on-ground operations, contributing to 100+ units collected.

Skills

Programming Languages: Java, Python, C, C++, Swift

Languages and Frameworks: SwiftUI, CoreLocation, HealthKit, CoreData, OpenCV, MVVM Architecture

Tools and Technologies: Xcode, Arduino IDE, Git & Github, REST APIs, FileManager, Motor Driver (L298N), IR Sensors, CoreLocation, HealthKit

Technical Skills: iOS Application Development, Artificial Intelligence, Machine Learning, Robotics & Embedded Systems, Mobile Application Architecture, Automation & Smart Systems

Languages

English [Professional Working Proficiency], Hindi [Native Proficiency]

Links

[LinkedIn](#), [GitHub](#)