

Daksh Arora

Computer Science
Undergraduate



✉ daksh7march2005@gmail.com

☎ 6280504839

📍 Ludhiana, Punjab, India

🌐 [linkedin.com/in/daksharora-vitc27](https://www.linkedin.com/in/daksharora-vitc27)

🐙 github.com/iRealDaksh

Professional summary

A second-year B.Tech  CSE student at VIT Chennai specializing in AI & Robotics, with a passion for integrating hardware and software, full-stack development, and solving real-world problems. Actively seeking a summer internship opportunity to apply skills in IoT, web development, and collaborate on team-driven projects. Strong foundation in computer science and a drive to continuously learn and grow. Eager to contribute to an organization that values innovation and embraces cutting-edge technologies.

Education

12th Class

Fortune Convent School

2023 | Sangrur, Punjab, India

- Boards Percentage-91%

10th Class

Sacred Heart Sen. Sec. School

2021 | Ludhiana, Punjab, India

- Boards Percentage-96%

Professional Experience

Robotics Software & Systems Engineer

ATOM Robotics

03/2024 | Chennai, India

- Designed and programmed embedded systems for robotics using C/C++, integrating sensors, actuators, and wireless modules.
- Developed automation scripts and control algorithms to enhance the efficiency of robotic movements and response handling.
- Worked on firmware-level debugging and real-time system optimization to improve performance.
- Contributed to circuit prototyping and sensor calibration during hardware testing phases.
- Independently implemented logic for object detection, pathfinding, and signal processing on microcontroller platforms.
- Documented software flows and collaborated with UI/backend teams to enable seamless data communication.

Projects

TeleTrack

Fleet Management System

AI-powered fleet tracking system with fuel analytics, route optimization, and driver behavior monitoring. Led a 4-member team for Smart India Hackathon 2025.

Tech Stack: React, Node.js, Express, MongoDB, Google Maps API

My Role: Developed the frontend in React and backend APIs in Node.js/Express, integrated Google Maps for live tracking.

GitHub  | Live Demo 

Snazzify

AI & Crypto-Integrated E-commerce

Platform Built a modern e-commerce platform with cryptocurrency-based payments, mock wallet integration, and secure transaction flow. Integrated Dialogflow AI chatbot for real-time customer support and live package tracking. Focused on smart, decentralized commerce.

Tech Stack: React, Node.js, MongoDB, Dialogflow

My Role: Built the full MERN stack app excluding database, implemented Dialogflow chatbot for live support, and created secure crypto payment simulation with wallet logic.

GitHub  | Live Demo 

VenueTrack

Campus Venue Booking Platform

Secure login, booking history, feedback system, and responsive admin dashboard. Built during an overnight hackathon and secured 4th position.

B.Tech/CSE with Specialization in AI and Robotics

Vellore Institute Technology (VIT)

2023 – 2027 | Chennai, India

Skills

C/C++

Java

MERN Stack

SQL

AWS

Robotics engineering

Embedded systems design

DSA

Tech Stack: MERN Stack, Firebase Auth, MongoDB

My Role: Created user authentication using Firebase and built responsive UI with React.

GitHub [↗](#)

Cosmo Clench

Robotic Arm

an Arduino-powered robotic claw arm built using servo motors and IR sensors Programmed in Embedded C for object detection and precision grip control.

My Role: Programmed logic in Embedded C for object detection and precision gripping. Designed circuitry and sensor alignment on Arduino.

Line Follower Robot

Autonomous IR sensor-based robot built on Arduino Optimized motor logic for path detection and obstacle navigation using Embedded C.

Tech Stack: Arduino, Embedded C, IR Sensors, Motors

My Role: Optimized motor control algorithms and programmed Arduino logic for smooth navigation and recovery from path deviation.

Hackathons Teams

- Smart India Hackathon, Team Leader, College Finalist with TeleTrack project, Led development and API integration for full-stack web dashboard
- Overnight Full-Stack Hackathon (College Level), Participant, 4th Place among 20+ teams for building VenueTrack in under 24 hours
- Special Team ATOM – Robotics Division, VIT Chennai, Core member of hardware team