

# Daksh Ranka

 [Dakshranka · GitHub](#)

 +91 7568717055  [rankadaksh4@gmail.com](mailto:rankadaksh4@gmail.com)

[My Portfolio](#)

## EDUCATION

**Vellore Institute of Technology (Chennai, India)**

2022 - 2026

*B.Tech Computer Science specialization in AI and Robotics*

*Current GPA: 9.38/10.0*

**St. Anthony's Sr. Sec. School, Udaipur (Rajasthan, India)**

2019 - 2021

*XII Percentage: 93*

**St. Anthony's Sr. Sec. School, Udaipur (Rajasthan, India)**

2007 - 2019

*X Percentage: 88*

## COURSEWORK

**Courses:** Object-Oriented Programming, Data Structures & Algorithms, Linear Algebra, Probability & Statistics, Operating Systems, Computer Networks, Database Management, Software engineering

## SKILLS

**Languages:** C/C++, Python, Java, JavaScript/TypeScript, SQL

**Techs:** HTML, CSS, Tailwind CSS, MySQL, ReactJS, Express.js, MongoDB, Node.js, Machine Learning, Neural Networks, Reinforcement Learning

## PROJECTS

### Expense Tracker App

July 2024

- Developed an Expense Tracker application using React.js for front-end and Firebase for backend services.
- Integrated Google authentication for secure and seamless user login using Firebase Authentication.
- Implemented Firestore database to store and manage users' transaction data in real-time.
- Added features to track, add, and delete expenses, ensuring smooth functionality and intuitive UI.
- Enhanced UI with CSS animations and background customization to improve user experience.
- Utilized Yarn as the package manager for efficient dependency management.
- Visit the website here: (<https://expense-tracker-f36b5.web.app>)

### Face Recognition System using AWS

Dec 2023

- Tech used: AWS lambda,python,S3 buckets,restAPI etc:
- Developed a facial recognition system using AWS Rekognition to analyze and identify faces in images.
- Leveraged AWS Lambda for serverless execution of recognition processes, enhancing scalability and reducing costs.
- Utilized Python for scripting and automating the workflow, ensuring efficient interaction with AWS services.
- Stored and managed image data securely using S3 buckets, enabling easy access and retrieval for processing.
- Integrated REST APIs to handle requests and responses between the front-end application and AWS services.
- Ensured high reliability and security by adhering to AWS IAM policies for controlling access to services.
- github: ([FaceRecognitionAttendanceSystem](#))

### Hand Gestured Controlled Car using Arduino, Open CV

July 2023

- Developed a Hand Gesture Controlled Car: Designed and implemented a robotic car controlled by hand gestures using Arduino and OpenCV, demonstrating expertise in robotics and computer vision technologies.
- Integrated OpenCV for Gesture Recognition: Utilized OpenCV to process real-time video input and recognize hand gestures, converting them into commands for the Arduino to control the car's movements.
- Programmed Arduino for Motor Control: Wrote and optimized Arduino code to interpret gesture commands and control the car's motors, enabling precise and responsive movement based on user input.
- Document:([REPORT.pdf - Google Drive](#))

## POSITION OF RESPONSIBILITY

**SpectroV** | AI engineer

Jan 2025 – Present

Developed Generative AI Models: Designed and fine-tuned AI models for conversational chatbots, enhancing user engagement and streamlining registration processes. Integrated AR/VR with AI: Engineered innovative solutions blending AI-driven chatbots with AR/VR interfaces to revolutionize accessibility for the deaf and mute community. Optimized User

Experience: Collaborated on creating seamless AI-powered workflows, reducing manual effort and improving accessibility in AR/VR applications.

**Chakralaya Analytics pvt. Ltd.** | *IT intern*

Jul 24 – Aug24

HTML, CSS, JavaScript, and modern frameworks to enhance user experience and functionality. Successfully integrated various third-party APIs into web applications, enabling seamless data exchange and enhancing application features through external services. Worked closely with a team of developers and designers, contributing to the design, coding, testing, and debugging of web applications, ensuring high-quality and robust solutions.

## ACHIEVEMENTS

---

- Microsoft Certified in Azure AI fundamentals
- Ranked 9<sup>th</sup> in academics in my branch, awarded a certificate for outstanding academic performance.
- Solved 250+ DSA problems across platforms
- [Leetcode Profile](#)