

ROUNAKDEEP SINGH

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EDUCATION

- ❖ **B.E Computer Science and Engineering**
Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College,
Chennai CGPA: **8.63** | (Nov'22 - present)
- ❖ **XII (JKBOSE)** | Government Higher Secondary School - Pouni,
Jammu & Kashmir **86.6%** | 2022
- ❖ **X (JKBOSE)** | Government Higher Secondary School – Pouni,
Jammu & Kashmir **94.6%** | 2020

EXPERIENCE

- ❖ **Intern | Retech Solutions Pvt. Ltd., Chennai** *(Dec'24)*
Developed a *Text-Based Adventure Game* using Python and Machine Learning
Techniques and gained hands-on experience in problem-solving, task execution, and
Professional Collaboration.

ACADEMIC PROJECTS

- ❖ **Real Time Face Recognition Attendance System** *(Sept'23 - June'24)*
Developed an AI-based face recognition system that automated attendance, reducing
manual effort by 80% using OpenCV and Firebase
- ❖ **Spoofix - Face Liveliness Detection System** *(July'24 - Sept'24)*
Developed a real vs. fake face classification model using YOLO and deep learning techniques to
enhance security in online authentication by improving anti-spoofing detection accuracy
- ❖ **Text-Image, Image-Image, Inpainting Via Stable Diffusion** *(Jan '24 - Jan'25)*
Developed an AI-powered image generation and manipulation system using Stable Diffusion,
enabling text-to-image synthesis and image inpainting for creative content generation
- ❖ **FULL STACK WEB APP GENERATION WITH AI AGENTS** *(Current project)*
Developing a cloud-native full-stack application using LLMs and modern cloud tools

POSITION OF RESPONSIBILITY

- ❖ **Team Leader | Smart India Hackathon** *(Sept 2024)*
Led a 5-member team in the Smart India Hackathon, securing 1st place for innovative
problem-solving. Managed project workflow, ensuring efficient task delegation and seamless
collaboration for optimal execution.

SKILLS

- ❖ **Technical Skills :** Java, Python, HTML, CSS, JS, SQL
- ❖ **Core Concepts :** Data Structures and Algorithms (DSA) , Machine
Learning, Cybersecurity (Basic), AWS (Basic), GCP(Basics).
- ❖ **Tools & Frameworks:** MATLAB (Basic), Firebase, OpenCV, Stable Diffusion, React JS
- ❖ **Languages :** English, Hindi, Punjabi, Urdu

AWARDS AND CERTIFICATES

- ❖ **Winner – Smart India Hackathon (1st Prize)** | Vel Tech High Tech Dr. Rangarajan Dr.
Sakunthala Engineering College, Chennai
- ❖ **Foundations of Cyber Security** | Coursera
- ❖ **PROGRAMMING IN JAVA** | NPTEL
- ❖ **MATLAB Onramp Certificate** | MathWorks
- ❖ **NCC 'A' Certificate** – Grade A