

# NILAY KOUL

STUDENT

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## SUMMARY

As a second-year engineering student, I am deeply dedicated to exploring the intricate realms of the technological domain. Engaged within academia's dynamic and rigorous environment, I find satisfaction in immersing myself in the multifaceted aspects of various engineering disciplines. Whether deciphering complex mathematical concepts or brainstorming innovative solutions, my commitment to honing my skills and knowledge remains unwavering. Beyond my academic pursuits, I am a fervent sports enthusiast, closely following various sports and avidly tracking Indian participation across these fields.

## SKILLS

**Languages:** C, DSA, Python, Java, HTML, CSS, JavaScript, ReactJS, Django

**Python Libraries:** NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, Scikit-image

**AI/ML Libraries:** Tensorflow, Keras, NLTK

**Data Visualization:** Excel, PowerBI, Tableau

**Frameworks:** OpenCV, MediaPipe

**Database:** MySQL, SQLite

**Miscellaneous:** Interpersonal Skills, Collaboration, Adaptability, Critical Thinking

## EDUCATION

**B.Tech Artificial Intelligence & Data Science**

Dwarkadas J. Sanghvi College of Engineering

2022–2026

8.78 CGPA

**HSC/SSC**

Ryan International School

2022/2020

## PROJECTS

**Food Delivery Website**

ReactJS • Google Firebase • 2024

Developed a dynamic food delivery website using ReactJS, integrating Google Firebase for backend functionality. Ensured seamless user experience with real-time updates and efficient order processing. Implemented responsive design principles to optimize the website for various devices, resulting in improved accessibility and user engagement.

[\(Repo\)](#)

**Google Assistant Clone**

Python • API • 2023

Developed a Google Assistant clone using Gemini API. The application allows users to interact with the assistant through text commands, offering the functionality of retrieving information. The assistant leverages Google's NLP capabilities by integrating the API to accurately respond to user queries.

[\(Repo\)](#)

**Hands To Voices**

ReactJS • NodeJS • Computer Vision • 2024

Developed an Indian Sign Language recognition system with a React.js front end and real-time gesture recognition using computer vision. Enabled seamless translation between languages for accessibility. Designed for accurate, efficient sign interpretation to bridge communication gaps.

[\(Repo\)](#)

**Placement System Database**

Python • MySQL • 2023

Successfully developed a Graphical User Interface (GUI) to facilitate database modification tasks. The MySQL-based backend supports essential entities, enabling seamless data manipulation through the intuitive GUI.

[\(Repo\)](#)

## EXPERIENCE

**AI/ML Research Intern**

Earth5R • 2 Months

Researched AI/ML techniques focused on green and sustainable challenges. Developed theoretical solutions to global problems by leveraging AI/ML models and eco-friendly strategies. Aimed to drive sustainability through innovative, technology-driven approaches.

## COURSES & CERTIFICATIONS

**Elementary Drawing Examination**

Government of Maharashtra • 2016

**Fundamentals of Deep Learning**

NVIDIA • 2024

**Intermediate Drawing Examination**

Government of Maharashtra • 2017

**Programming and Data Structures using Python**

NPTEL • 2024

## CO-CURRICULAR

**CTF - NEXUS '24**

**CodeHunt - Meraz 4.0**

**Treasure Hunt - DJS Nirmiti**

**Data Analytics for Project Management Workshop**