

# Nishchay Sinha

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## Education

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### B.Tech CSE - Third Year

Vellore Institute of Technology, Vellore

2021-2025

### Secondary School (CBSE) - 92%

Amity International School, Noida

2020-2021

### High School (CBSE) - 89%

Amity International School, Noida

2018 - 2019

## Experience

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### Simpleo.ai - Platform Engineer Intern

Aug 2023 - Dec 2023

Developed custom LLM pipeline for Retrieval Augmented Generation(RaG).

Worked on classification of different Legal documents using LLM's.

Currently working on integrating the Azure OpenAI workflow with pre-existing VectorDB.

### Haleon - SDE Intern

Aug 2023 - Dec 2023

Developed a CMS System using Flask, React, and MongoDB.

Integrated Practo using BS4 for seamless user onboarding.

Extended functionality by integrating Google Maps for the sales analytics portal along with a custom clinic Geocoder.

### BalkanID - SDE Intern

Jan 2023 - Apr 2023

Developed integrations for Box, Dropbox, Atlas MongoDB, Sentry, and OpenVPN for the BalkanID App.

Implemented CI for all extractors with Docker.

Implemented Shell Script to sync data synchronously.

### Aimlocate - SDE Intern

Jun 2022 - Aug 2022

Developed a Geocoder using Selenium and Flask.

Integrated the application with OCI to create a SaaS Application.

Automated the entire process using Shell.

Created UI using Vue.js.

### INSSDC, ARSSDC - Automation Design and Services

2019 - 2020

Designed Facility Automation and Safety Functions/Contingencies.

Designed Community and Habitability Automation systems.

Designed custom networking solution for the settlement.

### BL4S-CERN - Deflection Verification

2019 - 2020

Designed an experiment to characterize deflection of electron and positron beams.

Verified or contradicted theoretical predictions across various momenta and fields.

## Skills

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**Programming Languages:** Python, Go, Rust, JS, NodeJS

**Technologies:** NoSQL, Shell, Linux, Docker, CI/CD, Heroku, GCP, OCI, AWS, Azure, Render

**Frameworks:** Flask, React, ExpressJS

**Other:** LoRA, AI/ML, Langchain, RaG, VectorDB, Selenium, BS4, MapsSDK

## Achievements

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- Special Mention by CERN on an experiment proposal.
- Winning Project in ARSSDC and ISSDC organized by SpaceSet.
- Best Fintech project at Technica22.
- Top 12 Team at Devjams22.
- Runners-up in INSSDC organized by SpaceSet.
- Top 10 Performer at SoC Design using OpenPOWER Cores 2022 by the Department of Micro and Nanoelectronics, School of Electronics Engineering in association with IBM.
- Won Best Implementation and 3rd place in Symbl.ai track at DevSpace21.
- 2nd Place in Knockathons@Devjams21.
- 3rd Prize in Hack@Melange 2019.
- Semi Finalist in Robotronics 2019.
- Finalist GameJam@CyberBuzz 2019.