

Jenil Shah

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EDUCATION

SVKM's Dwarkadas Jivanlal Sanghvi College of Engineering

Computer Science and Engineering : Data Science

May 2026

CGPA: 8.6

ACHIEVEMENTS

- **Candidate Master - Codeforces (Max Rating 2015)** | Top 0.15% in India Among 100k+ (AIR 129)
- **5 Star - Codechef** | Top 0.5% Among 200K+ Active Users
- **AIR 2 and Global Rank 58** | With an **International Grandmaster Performance** in Educational Codeforces Round 158 (Div 2)
- **Rank 615 in Meta Hacker Cup 2024**
- **Rank 57 in TCS Codevita 12**
- **Winner at Algorythmia, CordeSpree and 10+ CP Contests in India.**

PROJECTS

Movie QA | *Python, Langchain, Selenium, Faiss*

Jun 2024

- **Implemented** a question-answering system using a Retrieval-Augmented Generation model with Gemini.
- **Built** a robust web scraping bot using Selenium to efficiently extract movie reviews from IMDB, reducing the time of extraction by **20%**.
- **Utilized** state-of-the-art embedding models from Google AI to represent text data for improved question-answering capabilities.
- **Produced** generalized tools and agent creation functions, facilitating the addition of new information sources and functionalities with minimal effort.

Catalyst: Chemistry Edutainment Website | *ReactJS, Flask, Decimer, Transformers*

May. 2024

- **Feature-rich** Website, offering 4 engaging features such as compound lookup, AI quiz generation, duels, and compound drawing flashcards.
- **Engineered** robust Flask APIs to facilitate every feature of the platform.
- **Implemented** the AI quiz generation functionality and the chemical compound recognition using Decimer - a powerful Pretrained Model with **96% Accuracy**.
- **Orchestrated** the integration of Flask APIs and PubChem API-Open repository for Chemical Information, with the frontend interface.

Evolution Simulation | *Python, Pygame*

Apr. 2024

- **Formulated** efficient Genetic Algorithm components, including selection, crossover, mutation, and fitness evaluation functions, to simulate genetic evolution accurately.
- **Created** interactive visual elements using Pygame, enhancing user engagement.

EXTRACURRICULARS

Codestars | *Vice Chairperson*

Nov 2023-Present

- **Constructed** problem statements for and **Organized** 4 Competitive Programming Events, including the Largest Competition in Mumbai in 2024.
- **Facilitated** post-contest discussions after every contest on discord and Youtube , with **2k+ views**, and taking live lectures, enhancing their coding comprehension and problem-solving skills.

Society for Data Science, Google Developer Student Club, National Student Data Corps Apr 2023-Apr 2024

- **Created** innovative problem statements for 2 Hackathons and 2 Technical Events.
- **Organized** 3 Hackathons and 2 unconventional Technical Events.
- **Conducted and Mentored** a workshop for Deep Learning organized by GDSC, aiding 50+ students in diving into the topic.

AIIESEC | *Team Leader*

Jan 2023-Jan 2024

- **Managed** international relations and sales for outgoing volunteers, leading a team of **4 members**.
- Recognized as the **top performer**, achieving **2L in income** by facilitating the successful deployment of **11 volunteers** abroad to create impactful change.
- **Coordinated** the recruitment cycle and ensured the seamless processing of **192 applicants**.

SKILLS

Languages: C/C++, Python, Java, JavaScript, HTML/CSS

Tools: MySQL, VS Code, Jupyter Notebook, Git/Github

Libraries: Pandas, NumPy, Tkinter, ScikitLearn, Tensorflow, Pytorch, Langchain, MLX, Selenium, Flask