# Mr. Nisarg Chauhan

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## Professional Summary

Passionate and driven Computer Engineering student specializing in Artificial Intelligence and Machine Learning at Silver Oak University (CGPA: 8.74). Experienced in developing ML/DL models, working with real-world datasets, and building impactful AI applications in domains like computer vision and natural language processing. Adept at using Python, Power BI, and other modern tools to solve analytical problems. Seeking to contribute to data-driven organizations through innovative solutions and collaborative research.

## Education

**Silver Oak University, Ahmedabad**
*B.Tech in Computer Engineering – AI/ML Specialization*
*June 2022 – May 2026*
**CGPA:** 8.74
**Relevant Coursework:** Machine Learning, Deep Learning, Computer Vision, Natural Language Processing, Data Structures, Statistical Modeling

## Technical Skills

- **Programming:** Python, C++, Java
- **ML/DL Libraries:** Scikit-learn, TensorFlow, Keras, PyTorch
- **Data Handling:** Pandas, NumPy, SQL
- **Visualization Tools:** Power BI, Matplotlib, Seaborn
- **Computer Vision:** OpenCV, MediaPipe
- **Tools:** Jupyter Notebook, Anaconda, Android Studio, VS Code
- **Cloud:** Familiarity with AWS, Google Colab and Google Cloud

## Key Projects

• **Car Price Prediction Interface**

Used regression algorithms to predict car prices based on various features.
**Technologies:** Python, Sklearn, Streamlit

**• Craters & Boulders Detector for Planetary Exploration**

Built a media-based detector for identifying craters and boulders in space mission datasets.
**Technologies:** OpenCV, Deep Learning, YOLOv8

**• Corrosion and Fire Extinguisher Detector (Industrial AI)**

Created object detection models to locate corrosion and fire extinguishers in an industrial setup.
**Technologies:** YOLOv5, YOLOv8, OpenCV

**• Indian Hand Sign Language Interpreter**

Developed a real-time interpreter using hand gesture recognition for specially-abled individuals.
**Technologies:** MediaPipe, CNN, OpenCV, YOLOv8

## Internship Experience

**Sahana System Limited**

*AI Intern — Oct 2024 – Dec 2024*

*Data Management Intern — Jun 2024 – Jul 2024*

- Engaged in real-time ML projects and data pipelines
- Built data visualization dashboards and trained ML models

**Batwebs.com**

*Data Science Intern — Dec 2023 – Jan 2024*

- Worked on classification, regression, and clustering
- Created reports using Power BI
- Explored supervised and unsupervised ML concepts
- Project GitHub: [https://github.com/sou-nisarg/Batwebs_nisarg_repo.git](https://github.com/sou-nisarg/Batwebs_nisarg_repo.git)

## Leadership & Extracurricular Activities

**Silver Oak University IEEE Student Branch**

- Executive Chair, Silver Oak University IEEE Student Branch — *Jan 2026 – Present*
- Senior Alumni Executive, Silver Oak University IEEE Student Branch — *Jan 2026 – Present*
- Ambassador, IEEE Signal Processing Society — *Feb 2025 – Present*
- Chairperson, Silver Oak University IEEE Signal Processing Society SBC — *Jan 2025 – Dec 2025*
- Secretary, Silver Oak University IEEE SIGHT SBG— *Jan 2024 – Dec 2024*

**AWS Cloud Club at Silver Oak University**

- Cloud Captain, AWS Cloud Club at SOU — *May 2025 – Present*

- Organized multiple workshops, technical sessions, and outreach activities

## Certifications & Badges

- AI+ Developer[tm] – AI CERTs [tm]
- Gemini for Application Developers – Google Cloud
- Applying AI Principles with Google Cloud – Google Cloud
- Intro to GenAI / LLM's / Responsible AI – Google Cloud
- Getting Started with Compute / Databases / Networking / Storage – Amazon Web Services
- Introduction to Cloud 101– Amazon Web Services


## Languages

- English – Professional
- Hindi – Fluent
- Gujarati – Native


## Interests

- Computer Vision & NLP
- LLMs and Generative AI
- AI for Social Good
- E-Sports and Gaming Tech
- Multi Culture Music