Sachin Jalakoti

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Education

MIT College of Railway Engineering and Research Oct. 2022 – Jun. 2025
B.Tech, Computer Science and Engineering *Barshi, Maharashtra*
  Percentage: 80%

Swami Vivekanand Institute of Technology Aug. 2019 – Sep. 2022
Diploma, Computer Science and Engineering *Solapur, Maharashtra*
  Percentage: 77.77%

Internship

Data Analysis Intern – Skill Academy by Testbook Jan. 2025 (1 Month)
Western Countries Sales Data Analysis *Remote*

- Derived actionable insights from multi-country sales datasets for business decisions.
- Performed data cleaning, EDA, KPI dashboard creation, and result presentation.
- Tools: Python (Pandas, Matplotlib), SQL, Power BI, Excel.

Projects

AI: Interview Coach
- Built an AI system for generating role-specific interview questions and evaluating user answers.
- Used LangChain and LLMs to automate question generation, feedback, and scoring.
- Achieved 85%+ evaluation accuracy with an interactive Streamlit-based UI.

Automatic Colorization of Grayscale Images
- Developed a CNN-based image colorization model in PyTorch using Lab color space.
- Enabled user-defined and automatic colorization with a web-based UI.
- Achieved 70%+ colorization accuracy through advanced preprocessing techniques.

Skills

- **Programming Languages:** Python, SQL
- **Data Analysis & Visualization:** Excel, Pandas, Matplotlib, Power BI
- **Machine Learning:** Scikit-Learn, Deep Learning (PyTorch), TensorFlow
- **Frameworks & Tools:** Flask, Streamlit, LangChain, OpenCV, NLP
- **LLM & Generative AI:** Large Language Models (LLM), Gen AI Applications
- **Databases:** MySQL, MongoDB
- **Cloud Platforms:** Google Cloud Platform (GCP), Amazon SageMaker, Render

Certifications

- **Machine Learning and Data Science**, GeeksforGeeks *Feb. 2024 – Jul. 2024*
- **Business Analyst, Skill Academy**, Testbook *Jul. 2024 – Mar. 2025*