

Sachin Jalakoti

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Education

MIT College of Railway Engineering and Research

B.Tech, Computer Science and Engineering

Percentage: 71.45%

Oct. 2022 – Jun. 2025

Barshi, Maharashtra

Swami Vivekanand Institute of Technology

Diploma, Computer Science and Engineering

Percentage: 77.77%

Aug. 2019 – Sep. 2022

Solapur, Maharashtra

Projects

FitBot – Health Assistant Chatbot

- Created a conversational AI system that calculates BMI and recommends personalized diet plans, exercises, and yoga based on health issues.
- Integrated Gemini API for contextual chat responses and deployed the project using Flask for web interaction.

Automatic Colorization of Grayscale Images

- Engineered a deep learning model using CNNs in PyTorch to colorize grayscale images with accurate tone matching.
- Added user-driven color selection and enhanced grayscale preprocessing for better visual outcomes.
- Included both default and user-defined colorization features with a responsive GUI.

Western Sales Data Analysis

- Conducted end-to-end data analysis using Excel, SQL, and Python to derive actionable insights from Western region sales data.
- Built interactive dashboards in Power BI highlighting trends, KPIs, and regional performance metrics.
- Presented visual summaries and reports that influenced sales strategy decisions.

Student Performance Tracker

- Designed and implemented a complete SQL-based system to track student academic performance, attendance, and feedback.
- Developed queries and views to monitor department-wise performance, subject-wise strengths and weaknesses, and overall semester analysis.
- Enabled actionable feedback collection and visual summaries to improve academic outcomes.

Skills

- Programming Languages:** Python, SQL
- Data Analysis & Visualization:** Microsoft Excel, NumPy, Pandas, Matplotlib, Seaborn, Plotly, Power BI
- Machine Learning:** Scikit-Learn, Deep Learning (CNNs), PyTorch
- Frameworks:** Flask, Django

Certifications

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