Sneha Agarwal

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SUMMARY

Computer Science undergraduate with hands-on experience in machine learning and software systems. Built end-to-end ML pipelines, bias evaluation tools, and user-facing applications using Python, scikit-learn, TensorFlow, NLP, computer vision, and LLM-based workflows.

SKILLS

Languages: Python, C++, Java, SQL
AI / ML: scikit-learn, TensorFlow, CNNs, LSTM, VAE, NLP, computer vision, bias metrics, LLMs
Web / Tools: Flask, Streamlit, React, Next.js, Git, GitHub

PROJECTS

Bias Auditor
sneha-a10/Bias_auditor
Bias auditing for binary classifiers using custom synthetic data (1k rows). Evaluated demographic parity, equal opportunity, and equalized odds with JSON reports, UI plots, and flags.

Meeting Capture
sneha-a10/Meeting_capture
AI pipeline for recorded and live meetings (30–45 min samples) generating summaries, key points, and action items from transcripts via a web interface.

Image Captioning
sneha-a10/Image_captioning
DenseNet201 + LSTM image captioning model trained on Flickr8k (8k images), evaluated using BLEU scores.

Furniture Blueprint Generator
sneha-a10/furniture_blueprint
Text-to-blueprint generation system using CNN and VAE architectures trained on scraped design data.

EXPERIENCE

Machine Learning Intern — RV University   Jun 2025 – Aug 2025
Built an application-focused AI system for meeting transcription and summarization and integrated the ML backend with a React and Next.js frontend.

AI/ML Intern — Dhee Centre for AI and Data Science   Aug 2024
Analyzed 1,000+ student records and developed predictive ML models for academic trend analysis.

EDUCATION

RV University   2023 – 2027
B.Tech (Hons) in Computer Science Engineering — AI & ML
Minor: Fintech
Certificates: Introduction to Generative AI (2025); Crafting Precision Prompts with Generative AI (2025); Programming in Modern C++ — NPTEL (Elite, 2025)