

MANVEEN SINGH

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Education

Maharaja Surajmal Institute of Technology

Bachelor of Technology, Computer Science

- GPA: 8.5

Nov 2022 - Aug 2026

GHPS Public School

Non-Medical

- GPA: 82%

Mar 2021 - Mar 2022

Experience

Precise Leads

GTM Engineer

Nov 2025 - Present

Remote

- Engineered a high-intent inbound discovery engine that monitors and scrapes multiple Slack communities in real-time; automated the qualification of potential clients to trigger immediate agency pitches, significantly increasing the sales pipeline volume.
- Architected automated GTM workflows via n8n to streamline lead routing and enrichment, integrating 5+ heterogeneous sources through system integration to reduce manual research time by 40%.
- Optimized data fidelity for sales outreach by deploying custom scripts that validate and enrich lead profiles, driving process improvement and reducing bounce rates for the outbound team.

Caprae Capital Partners

AI/ML Intern

Jun 2025 - Dec 2025

Remote (Brand Blvd, Glendale, US)

- Architected mission-critical data pipelines for the Sasquatch engine, automating normalization for high-volume financial data while implementing troubleshooting protocols that blocked 35%+ erroneous records.
- Spearheaded the ground-up development of a proprietary recruitment ecosystem, leading a cross-functional team of 3 to automate the candidate lifecycle; engineered a custom video-interview platform with AI-scored evaluation logic and n8n integration, and implemented preventive maintenance routines to ensure system reliability during high-volume candidate assessments.
- Eliminated 100% of manual administrative friction in the hiring process by delivering a "hands-off" pipeline for leadership, ensuring data-verified onboarding and a significantly accelerated time-to-hire for high-volume roles.

Projects

AsanaBot: Real-Time Yoga Pose Analysis

Aug 2024

- Developed a real-time yoga pose analysis and feedback system to assist users in improving their yoga postures.
- Utilized Vision Transformers and MediaPipe for accurate detection and classification of various yoga poses from video input.
- Integrated feedback mechanisms to provide users with instant visual guidance and corrective suggestions.
- Implemented efficient video processing and pose detection algorithms for real-time performance.

PresentAI: AI-Powered Presentation Generator

Mar 2025

- Built an AI SaaS platform that auto-generates professional slide decks from user-provided outlines or project briefs.
- Integrated Google Generative AI to generate structured slide layouts and themes based on contextual inputs.
- Implemented secure user authentication and session management using Clerk and Zustand for global state.
- Enabled drag-and-drop slide editing with React DnD and autosave functionality using Prisma + PostgreSQL backend.
- Designed a clean, responsive UI with Tailwind CSS and dynamic component rendering via recursive slide builders.

Technical Skills

- **Languages:** Python, C, HTML/CSS, JavaScript, Next.js, SQL, MongoDB
- **Developer Tools:** VS Code, PyTorch, TensorFlow, PyCharm, Jupyter Notebook
- **Technologies/Frameworks:** N8N, Vision Transformers, MediaPipe, OpenCV, NLP, Gen-AI Tools, Git, WordPress
- **Libraries:** Pandas, NumPy, Scikit-learn, TensorFlow, Keras, PyTorch, Matplotlib
- **Machine Learning:** Transformer Models, Multi-Head Attention, Feedforward Neural Networks, Positional Embeddings
- **Automation and Process Management:** Automation, System Integration, Troubleshooting, Process Improvement, Preventive Maintenance