

# Aman Agarwal

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## Professional Summary

Mechanical Engineering graduate who builds AI-driven automation systems and full-stack applications independently. Proven ability to take projects from scratch to deployment using modern no-code and AI-first tools.

## EDUCATION

- **Sardar Vallabhbhai National Institute of Technology, Surat** (2021-2025)  
B. Tech, Mechanical Engineering; CGPA: 7.61
- **Blue Bell Higher Secondary School, Ahmedabad** (2020)  
XII | 76%
- **Mount Carmel High School, Gandhidham** (2018)  
X | 91%

## EXPERIENCE

### Engineering Intern

Marudhar Industries Limited

(Jan 2025 – May 2025)

- Conducted a comprehensive study of aluminium foil manufacturing processes, including time studies for machines and operators, to identify inefficiencies and improve productivity.
- Developed a digital application for the grinding process, replacing manual data entry with a form-based system linked to Google Sheets, reducing errors and saving time.
- Designed a Daily Review Meeting (DRM) app to digitally record key takeaways, improving meeting efficiency and documentation.
- Assisted in designing a layout for a new inventory management system, including a digital store layout and item tracking system, enhancing accessibility and organization.

## PROJECTS

### Web Content Monitoring & AI Digest Agent

(March 2026)

- Built an automated content monitoring agent in **n8n** that tracks new essays published on Aeon and Psyche at scheduled intervals, eliminating manual content checking entirely.
- Integrated Gemini API to generate concise AI summaries of newly detected articles, delivering structured digests directly to Telegram.
- Designed the workflow with zero-code orchestration, demonstrating practical workflow automation and API integration skills.

### Multi-Agent Sales Automation System

(Feb 2026)

- Integrated Firecrawl, Pipedrive, and Gmail into a multi-agent workflow where a Prospecting Agent scrapes qualified leads from the web, a RevOps Sub-Agent creates structured CRM records, and an SDR Sub-Agent drafts personalised outreach emails for human review.
- Developed an inbound voice AI layer using ElevenLabs that answers prospect calls, verifies caller identity against live CRM data, collects scheduling preferences, and automatically books product demos in Google Calendar while updating deal records in Pipedrive.

### Personal Expense Tracker

(January 2026)

- Designed a personal expense tracker using AI-assisted development via Emergent Software, with the frontend hosted on Vercel and the backend hosted on Render.
- Connected the application to Google Sheets via API so that every expense entry syncs automatically to a formatted spreadsheet, eliminating manual record keeping.
- Configured and connected three independent cloud services, Vercel, Render, and Google Sheets, ensuring they communicated correctly with each other after resolving authorization and connectivity issues.

## SKILLS

**Technical** : Workflow automation, multi-agent systems, API Integrations, n8n, Python, OOPs, MS Office.

**Soft** : Problem-solving, Self-learning, Project Ownership, Cross-functional collaboration, Communication skills.

## EXTRA-CURRICULAR ACTIVITIES

### Joint Treasurer - CHRD

(May 2023 – May 2024)

- Managed finances for a **300+ member** student chapter, overseeing budgets and resource allocation for large-scale events.
- Optimized financial processes, ensuring efficient fund utilization.
- Organised **2** major flagship events with a footfall of **1000+** attendees each.