

Mayank Bhadrassen

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Summary

AI automation engineer with nearly 4 years of full-stack and integration experience, completing an M.S. in Information Systems at Northeastern University. Builds production LLM workflows in n8n and Claude with rule-based safety nets and measured reliability (834 requests, 0 failures, \$0.0044 per AI decision). Ships end to end, from React/Next.js interfaces and OAuth-secured REST integrations to Docker deployments on a self-hosted VPS.

Education

M.S., Information Systems, Northeastern University, Boston, MA

Dec 2026

B.E., Information Technology, Shri G. S. Institute of Technology and Science, Indore, India

2021

Publication: "Safeguarding Digital Assets: Harnessing the Power of Artificial Intelligence for Enhanced Data Protection," IJISRT, Vol. 8 Issue 12, Dec 2023.

Recognition: n8n Verified Creator, with multiple workflow templates published on the n8n Creator Portal.

Skills

- **AI & Automation:** Claude (Anthropic API), LLM agents and agentic workflows, structured JSON outputs, n8n (self-hosted), webhooks, HubSpot, Slack, Google Workspace APIs
- **Languages & Frameworks:** JavaScript, TypeScript, Python, Java, SQL, Solidity · Node.js, React, Next.js, Redux, Django
- **Integration & Cloud:** REST APIs, OAuth 2.0, JWT, Postman, Docker, self-hosted VPS, AWS, Firebase/Firestore, Vercel, CI/CD, Git/GitHub
- **Data & Visualization:** MongoDB, SQLite, Firestore, Hugging Face datasets, D3.js, Chart.js, Three.js, Figma

AI Automation Projects

- **AI Marketing Ad Review (n8n, Claude API, HubSpot, Slack, Google Sheets):** Webhook pipeline that reviews every AI-generated ad in a median 6.4 s. A rule-based gatekeeper stops broken and duplicate payloads at zero AI cost, Claude scores channel fit and flags risky claims as strict JSON (approve, review, block), and deterministic rules take over on timeouts or invalid output. 834 requests, 0 failures, \$0.0044 per ad, ~330 events/min on a 1-vCPU VPS.
- **Applications Made Easy (n8n, JavaScript, Google Sheets API):** Scheduled job aggregator over 16 keyless sources (13 Greenhouse, Ashby, and Lever boards plus Remoteive, RemoteOK, and Jobicy) that normalizes, filters, ranks, and de-duplicates postings into Google Sheets with a per-run health log; 3,773 jobs collected on a dry run.
- **One Pipe (n8n, JavaScript, Hugging Face, RSS):** Source-agnostic ETL that maps 2 Hugging Face datasets and 4 RSS feeds into one 16-column schema with retries, dedupe, and quality checks; 285 clean records, 94.4% complete, in ~3 s.

Professional Experience

VeraAI Technologies Inc., St. Petersburg, FL

Jul 2025 – Dec 2025

Frontend Lead

- **Promoted from SDE Intern to Frontend Lead;** technical point of contact for architecture decisions, ran sprint planning, and coordinated multi-developer merges and release stability via GitHub.
- **Built an image-to-layout pipeline** converting a customer photo into a 2D component template and 3D placement sandbox; integrated Stripe billing across pricing tiers and an in-product AI chatbot for user guidance.
- **Normalized multi-source product catalogs** (IKEA, Home Depot) from Firestore into a single product model powering live inventory placement in the customer dashboard.
- **Containerized the full product in Docker**, taking a local Next.js codebase to a reproducible hosted deployment; authored the image and environment configuration and standardized the team's release path.

AESS Solutions Pvt. Ltd., Bhopal, India

Nov 2022 – Aug 2024

Assistant Manager, Front-End Development

- **Technical point of contact for the PeopleSol HRMS migration from .NET to React:** led technical discovery with platform owners and translated implementation tradeoffs into decisions business stakeholders could act on.
- **Improved deployment efficiency 30–40%** by owning API testing, integrations, and production bug triage, adding structured validation to the release process to reduce post-deployment incidents.
- **Designed the access-control layer** governing what 20+ HR administrators could view and modify; shipped a D3 org-hierarchy visualization and API-integrated scheduling; a reusable component library cut code redundancy 60%.

Appright Software Solutions Pvt. Ltd., Bangalore, India

Jul 2021 – Nov 2022

Associate Software Engineer

- **Built OAuth 2.0 and JWT-secured APIs in Django** for hardware control systems, tested in Postman and integrated end to end; these authentication and integration patterns underpinned production client deployments.
- **Delivered Visitor Alert and Service Management modules**, cutting component latency 20% and template render latency 30% through profiling and query optimization; improved data-handling efficiency 30%.