

# Shreshth Srivastava

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## SUMMARY

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Automation Engineer with hands-on experience building production-grade AI systems across workflow automations. Specialized in designing end-to-end solutions that integrate LLMs, real-time speech pipelines, and cloud APIs to automate lead qualification, customer engagement, and data workflows. Proven ability to ship reliable, observable systems that reduce manual effort, improve response accuracy, and scale across business operations.

## EDUCATION

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### United University

*B.Tech, Computer Science and Engineering*

Prayagraj, UP

2024

## EXPERIENCE

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### Concept2Action (C2A)

*Product Engineer Intern*

Remote, USA

2026

- Building and shipping **production-level products** from concept to deployment, contributing directly to live systems used by end users.
- Collaborating with product, design, and engineering teams to implement features, improve system reliability, and maintain clean, scalable codebases.
- Working across the full development lifecycle including design discussions, implementation, testing, and production readiness.

### Pitch X

*AI Automation Intern*

Remote

2025

- Cut manual handoffs by **80%** by building **Vernika**, a production voice-calling SaaS that automated lead qualification and routing using Twilio and LLM-driven IVR workflows.
- Engineered low-latency streaming speech pipelines (**Whisper / Groq**) integrated with Twilio Voice API for real-time conversational AI and workflow automation.
- Implemented API orchestration with caching, monitoring, and event triggers; added observability, confidence scoring, and logging to reduce validation cycles.

## PROJECTS

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### CARA — AI Clinical Intake & Triage System

2025

- Created a clinical intake pipeline using an ADK-style agent architecture to turn patient voice and documents into structured symptoms, triage decisions, and care-plan actions.
- Built agents for voice intake, symptom reasoning, document OCR, triage, and care-plan generation with strict JSON contracts, retries, and full audit logging.
- Cut mock intake-to-plan time by 70% vs manual workflows while producing consistent summaries, instructions, and system actions.

### LeadFlow AI — Chat + Voice Lead Automation System [Demo]

2025

- Created an end-to-end lead pipeline: captured ad leads → stored them in Google Sheets → engaged them through a Telegram chatbot → routed qualified prospects to a Voice AI agent.
- Built realtime voice flows with Twilio, Whisper/Groq, and LLMs to qualify prospects, answer FAQs, and auto-book meetings via the Calendar API, cutting manual scheduling by **about 80%**.
- Added CRM sync, confirmations, and notification automation with fallback paths for unqualified leads to keep the funnel clean and reliable.

## Heisyn — Branding & Automation Agency Website [\[Link\]](#)

2025

- Built a responsive agency site for heisyn.com showcasing branding and automation-driven services for SMBs.
- Implemented lead capture, case studies, demo scheduling, and automated contact flows; synced form leads to CRM via serverless API and **n8n**/Zapier hooks.
- Tech stack: **Next.js**, **React**, **Tailwind CSS**, serverless contact API; included tracking, form validation, and automated campaign triggers.

## SourceSync — Multisource News Collector [\[Demo\]](#)

2025

- Built a browser extension and web app that pull the same news story from multiple outlets, merge key points, and generate a unified summary with one-click PDF export.
- Added offline save (IndexedDB), page history, per-page personalized chatbot (RAG + embeddings), and a bias indicator that highlights political or ideological skew across sources.
- Developed the backend and extension with Node.js, Next.js, PDFKit, and lightweight ML classifiers; designed to reduce tab-clutter and speed research for students, analysts, and developers.

**Other Projects:** Live Data Tracker, Lead Scraper Tool, Auto Workflow Maker

## TECHNICAL SKILLS

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**AI & LLM Systems:** LLMs (GPT, Gemini, OpenAI), RAG pipelines, embeddings, prompt engineering

**Automation & Integrations:** Workflow orchestration, webhooks, REST APIs, n8n, Zapier, CRM integrations

**Frontend:** React, Next.js, Tailwind CSS

**Backend:** Node.js, FastAPI, Flask

**Programming Languages:** Python, JavaScript, Java

**Tooling:** Docker, Git, CI/CD pipelines, Postman, VS Code, Gerrit, Phabricator

**Data:** Pandas, NumPy

## ACHIEVEMENTS & CERTIFICATIONS

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Completed **Google Cloud Fundamentals: AI Automation Learning** (Coursera) — May 2025.

**Microsoft Certified: Azure AI Fundamentals (AI-900)** — Exam passed, Jun 2025.

**Internship Certification** — **AI Automation Intern at Pitch X** (2025) [\[View Credential\]](#).

**Won GenAI Hackathon 2025** — **Secured 3rd Position** [\[Certificate\]](#)