SANSKRITI SRIVASTAVA

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PROFESSIONAL SUMMARY

GATE CS-qualified Software Engineer with strong foundations in DSA, OS, DBMS, and system design. Experienced in building scalable, production-grade backend and full-stack systems using MERN, REST APIs, and job scheduling. Focused on writing reliable, efficient code and delivering high-availability systems at scale.

EDUCATION

IIMT College of Engineering, Greater Noida   Oct 2021 – June 2025
B.Tech in Computer Science and Artificial Intelligence
CGPA: 8.2 / 10

DAV Public School, Delhi
Senior Secondary (12th – PCMCs) **|** 92%   Mar 2020 – Mar 2021
Higher Secondary (10th) **|** 94%   Mar 2018 – Mar 2019

TECHNICAL SKILLS

1. **Languages:** Python, C++, Java, JavaScript
2. **Web Development:** React.js, Node.js, Express.js, FastAPI, MongoDB, MySQL, REST APIs
3. **AI/ML:** Gemini Generative API, Transformers, Diffusers
4. **Tools & DevOps:** Git, GitHub, Postman, Google Colab, Gradio, Webhooks, n8n, CI/CD Pipelines
5. **Core CS:** DSA, DBMS, Operating Systems, Computer Networks

EXPERIENCE

Software Developer – *Lavi Software and Technology Pvt Ltd*   *Feb' 2025 – Present*

- **Engineered a LinkedIn marketing automation pipeline & marketplace** using Gemini API and n8n, eliminating **95% manual blogging tasks** and enabling campaign scheduling for **20+ test users**.
- **Led frontend development** of the Feuchar Astrology Platform, building responsive UI, LMS features, and a secure admin panel, improving **student engagement by 40%**.
- **Developing a Virtual AI Assistant** with voice-enabled task automation (LinkedIn commenting, email drafting, app launches), reducing manual effort by **70%** across web and desktop workflows.

INTERNSHIP

1. **DATA SCIENCE:** *DataCulture Technologies Pvt Ltd*   **(Remote)**   *Aug'24 – Oct'24*
   - Optimized text-to-image generation models using **transformers** and reduced inference time by 15%.

2. **UI/UX Developer:** *MarketWicks Pvt Ltd*   **(Office)**   *June'24 – July'24*
   - Built responsive UI components and handled MySQL integrations for live dashboards.

PROJECTS

1. **Skeylet** — *MERN, LinkedIn/Facebook/Reddit API, Agenda*   website

   - Engineered a full-stack automation system enabling AI-generated blog posting across **3+ platforms (LinkedIn, Facebook, Reddit)**.
   - Integrated **Gemini API** for content creation, virality scoring, and trend analytics, improving engagement by **65%** and Payment Gateway.
   - Achieved **99% post success rate** via Agenda.js-based fault-tolerant scheduling and real-time status tracking for **500+ users**.

2. *Chrome Extension for LinkedIn Post Commenting* — *JavaScript, Manifest V3, Express.js*

                                                                                Demo
   - Built and deployed a browser extension allowing users to generate, preview, and auto-comment AI generated comment directly to LinkedIn.
   - Implemented secure backend communication using JWT authentication and hidden API keys, reducing exposure risk by 100%.
   - Optimized for public release with lightweight UI, supporting instant blog posting and API monetization via usage tiers.

3. **Virtual AI Assistant** — *Python, Selenium, OpenAI, Speech Recognition*

   - **Automated multi-modal workflows**: Enabled LinkedIn auto-commenting, email drafting, app launches, and file editing, reducing manual effort by **70%**.
   - **Voice-first interaction**: Integrated real-time speech recognition + text-to-speech with LLM reasoning to support **natural, conversational task execution**.
   - **Seamless desktop & web control**: Built orchestration with Selenium & PyAutoGUI to automate browsers, searches, translations, and system actions from a single assistant.

4. *Vastu Advisory Platform (Full Stack Project)* — *MERN Stack, Razorpay, REST API*   Website

   - Built a Vastu recommendation platform with room-input flow, automated analysis engine, and dynamic result generation using modular React components.
   - Integrated **Razorpay Payment Gateway** for secure checkout, enabling users to purchase detailed Vastu reports and premium consultations with smooth order creation & verification API flows.
   - Designed user dashboard, admin panel, and multi-step guided forms, improving user engagement and reducing drop-offs with a mobile-first, performance-optimized UI.

ACHIEVEMENTS and CERTIFICATIONS

1. **GATE CS 2024 & 2025 QUALIFIED**
2. Scored 80% in TCS NQT (Cognitive, Advanced Quant, Programming)   Res1 Res2
3. MERN STACK CERTIFICATION – Apna College