Varun Sharma

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EDUCATION

Manav Rachna International University   Faridabad, HR
Master of Computer Application; GPA: 8.1   *July. 2023 – June. 2025*

Maharshi Dayanand University   Rohtak, HR
Bachelor of Computer Application; GPA: 7.2   *July 2020 – May. 22023*

EXPERIENCE

Nervesparks Pvt. Ltd.   New Delhi, India
Software Engineer   *Nov 2024 - Present*

- **Nervesparks Website Development**: Developed and enhanced the NerveSparks website using SvelteJS, improving interactivity and boosting SEO/AEO performance by 100%. Implemented CI/CD pipeline to reduce deployment time.
- **Offline LLM Solutions & AI Integration**: Contributed to offline large language model integrations using Hugging Face tools, including Stable Diffusion and text-to-text generation workflows for AI-driven applications.
- **Iris Offline GPT Optimization**: Enhanced Iris Offline GPT performance by developing responsive UI components and implementing backend functionalities for improved resource efficiency.
- **AI Agent Orchestration**: Built and orchestrated AI agents using LangChain and LangGraph, enabling complex multi-step task automation and workflow management.

Manav Rachna Univesity   Faridabad, Haryana
Web Developer Intern   *Aug 2024 - Sep 2024*

- **Student Welfare Department Website**: Designed and developed the Student Welfare Department website to improve accessibility and enhance engagement between teachers and students.
- **Interactive Feedback Module**: Implemented a feedback module in the existing platform, enabling real-time student–teacher interaction and improving engagement metrics.
- **HRV Biomedical Research**: Researched Heart Rate Variability (HRV) patterns and analysis techniques as part of a biomedical project under the supervision of the Dean, Manav Rachna University.
- **UI/UX Enhancements**: Optimized the website interface for better navigation and accessibility, ensuring a user-friendly experience for both students and faculty.

Cognifyz Pvt. Ltd   Pune, Maharashtra
Software Engineer Intern   *June 2024 – Aug 2024*

- **Full-Stack LMS Development**: Assigned to develop a full-stack Learning Management System (LMS) to streamline training operations and improve learning accessibility.
- **Training Module Showcase Enhancement**: Increased visibility and engagement of training modules by improving UI/UX and optimizing content presentation.

PROJECTS

- **Imaginfy - AI Text to Image Generator**: Developed a text-to-image generation platform using Stable Diffusion, integrated Stripe payments for credit-based image generation. Built with React, Node.js, MongoDB, and Redis for caching.
- **Centralized RAG Service**: Created a centralized Retrieval-Augmented Generation (RAG) system that stores RAG pipelines with associated API keys for various services.
- **AI-Powered Job Tracking System**: Built a job application tracker that monitors application statuses and provides AI-powered resume enhancement suggestions. Tracks responses like interview selection or rejection.

PROGRAMMING SKILLS

- **Programming Languages**: Python, JavaScript (ES6+), C++, Kotlin, TypeScript
  Frontend Development: React.js, Next.js, SvelteKit, HTML5, CSS3, Tailwind CSS, Material-UI
  Backend Development: Node.js, Express.js, RESTful APIs, GraphQL, Microservices Architecture
  Databases: MongoDB, PostgreSQL, Redis, Database Design & Optimization
  Cloud & DevOps: AWS (EC2, S3, Lambda, RDS), GCP (Compute Engine, Cloud Functions), Docker, CI/CD