

Shravan .S. Gupta

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Professional Summary : Innovative AI/ML Engineer specializing in Generative AI, Large Language Models, and Autonomous Systems, dedicated to transforming complex enterprise and public-sector operations. Adept at architecting scalable RAG pipelines, deploying multi-agent AI networks, and engineering secure full-stack platforms (Next.js, Python) that drive automation and high-throughput data processing. Distinguished by a strong research footprint, presented 3 national and international papers on Sustainable AI and AI technologies, alongside participated in 10+ competitive hackathons. Passionate in tech and open-source contributor, actively delivering technical sessions for student communities while driving product innovation from conceptualization to large-scale deployment.

Skills

- **AI/LLM Tools & Platform:** OpenAI APIs, Claude Code, Computer Use, MCP, LangGraph, LangChain, Langsmith, Cursor, GitHub Copilot, Vector Databases, RAG, AI Agents, Ollama.
- **AI libraries:** Huggingface, Numpy, Scipy, Pandas, Matplotlib, Spacy, NLTK, XGBoost, MLFlow
- **Deep Learning Frameworks:** Tensorflow, PyTorch
- **Natural Language Processing:** LLM, Bert, Transformers, Chatbots, Chatgpt, Claude, Llama, Sentiment Analysis, Spam Classification, Sentence Autocomplete
- **Time Series:** LSTM, Transformer, Autoformer, Random Forest
- **Web Development:** Next.js, React, FastAPI, TypeScript
- **Databases:** PostgreSQL, MySQL

Internship

Generative AI Intern

Mumbai, India

SHRAMECO PVT LTD

04/2026 – Currently

- **Led AI-Driven MVPs & Web Deployments:** Spearheaded the development of AI-enabled websites, conversational bots, and advanced automation tools leveraging Generative AI and LLMs.
- **Scalable AI Hosting & Integrations:** Managed end-to-end model deployments, third-party tool integrations, and cloud hosting environments, ensuring high availability for automation workflows.
- **LLM Architecture & System Automation:** Engineered and implemented core LLM features, focusing on AI-driven content creation and autonomous task automation across digital platforms.
- **Leadership & Strategic Execution:** Led a technical team of 4+ members, overseeing full-lifecycle website management, model deployment pipelines, and seamless project delivery.
- **Key Achievements:** Successfully delivered robust AI models and integrated automation tools, accelerating deployment cycles and eliminating manual workflows.

Data Engineering Intern

Delhi, India

OLCADEMY

05/2025 – 11/2025

- **AI/ML Data Pipelines & Ingestion:** Architected robust Python-based data pipelines and deployed scalable ingestion tools for automated data collection, cleaning, and preprocessing across complex project architectures.
- **Large-Scale Data Engineering:** Managed and optimized gigabyte-scale datasets using advanced data tools, transforming raw information into high-quality, production-ready assets tailored for large-scale enterprise applications.
- **Recommendation Systems & Modeling:** Leveraged engineered data architectures to design, develop, and integrate highly accurate AI-driven recommendation engines for user-facing applications.
- **Leadership & Strategic Execution:** Directed and mentored a cross-functional technical team of 8+ members, ensuring smooth workflow orchestration, efficient data governance, and seamless project delivery.
- **Key Achievements:** Successfully delivered scalable end-to-end data infrastructure and recommendation models, significantly enhancing application intelligence and overall team productivity.

Artificial Intelligence Intern

(MOOD INDIGO IIT BOMBAY), India

ACMEGRADE

05/2024 – 07/2024

- **Conversational AI & Chatbot Development:** Engineered and deployed NLP-driven chatbots, successfully integrating them into web platforms to deliver a seamless and intuitive user interface experience.
- **Python Automation & Scripting:** Developed robust Python scripts to streamline backend operations, automate data processing workflows, and accelerate the rapid prototyping of AI-driven features.
- **Web Integration:** Bridged machine learning with front-end architectures, ensuring smooth communication and fluid, user-friendly chatbot interactions.
- **Key Achievements:** Successfully delivered multiple end-to-end applied AI projects, demonstrating strong capabilities in python programming, natural language processing.

Projects

- **BrandStudio - Autonomous Multimodal Social AI Agent :** Engineered a multi-agent pipeline using latent diffusion and channel-tuned LLMs to automate end-to-end content production. Scaled asynchronous publishing across 5 major platforms using Redis BullMQ, eliminating 80%+ of manual bottlenecks and copyright risks.
- **Outskill - Autonomous AI Curriculum Synthesis Engine :** Architected a zero-human-intervention synthesis engine orchestrating 4+ LLMs (Claude, GPT-4o, Gemini) to auto-generate technical curriculums, reducing development time by 90%. Integrated an embedded

sub-second Socratic AI tutor anchored to section-level code context for real-time, drift-free learner support.

- **YellowCrest - Enterprise Infrastructure & Security Platform** : Consolidated 5 industrial verticals into a high-throughput platform with strict Zod runtime validation, CSRF mitigations, and authenticated TLS/SMTP lead routing. Achieved 100% spam elimination via rate-limiting middleware while delivering sub-1.2s page loads through a 60fps zero-layout-shift visual engine.
- **Samta Doot - GovTech GIS Field Intelligence Platform (BARTI, Govt. of Maharashtra)** : Architected a scalable GIS telemetry platform featuring geofenced survey logging and automated welfare eligibility heuristics. Deployed to coordinate thousands of field workers across 36 districts, providing state officials with real-time audit transparency and secure citizen inquiry pipelines.
- **Maha AI - AI-Powered Social Learning Network** : Implemented unsupervised K-Means embedding-based skill clustering and generative AI pipelines to autonomously synthesize personalized course modules for 500+ developers. Built a gamified pedagogical network featuring streak-decay telemetry algorithms to scale technical education and community engagement.
- **DataDrishti - Real-time insights into India's biometric update** : DataDrishti is a high-performance React/Supabase analytics dashboard that aggregates 5.6 crore biometric records via optimized SQL functions to provide real-time insights, anomaly detection, and premium data visualization.
- **AquablueFish - A platform fishermans** : An e-commerce platform for aquaculture solutions with features for product browsing, ordering, and order tracking, along with an admin dashboard for product, order, and customer management.
- **NutriNova - Your Daily Nutrition Guide** : A smart nutrition companion with food scanning, healthy alternatives and personalized recommendations using OCR, barcode tech, and a custom recommendation engine.
- **Wandertrails - Travel tech and Wilderness adventures** : A travel and outdoor exploration platform under the Wandertrails brand for discovering curated wilderness trails, interactive topographic trail maps, and booking high-altitude mountain treks.
- **GreenThumb AI - Plant Care Assistant**: A mobile application powered by AI to help users identify plants, detect diseases, and get personalized plant care advice.

Education

- Vivekanand Education Society's College of Arts, Science & Commerce (Autonomous) – Chembur, Mumbai.
[BSc – AI] Sem I - (9.00/10), Sem II - (9.23/10), Sem III - (9.27/10), Sem IV - (9.91/10) Sem V - (10/10) Sem VI - (10/10)
- National Sarvodaya High School and Jr College of Science & Commerce.[HSC & SSC]

Hackathons

- UIDAI Hackathon (2026)
- Bhartiya Antriksh Hackathon (2025) - ISRO
- Code the Cloud (2025)
- Bolt.new Hackathon (2025)
- HackHazards'25 (2025) - 410 hours
- Level Supermind Hackathon (2025)
- Smart India Hackathon (SIH 2024)(SIH 2025)

Workshops & Certifications

- Authored and presented a research paper, "*Toward a Sustainable Future for Generative AI Technologies*", at a multidisciplinary national conference on Sustainable Nation.
- Presented a research paper on "*Sustainable Pathways for DS and AI-Driven Data Centers in India: Balancing Digital Growth and Environmental Risk*" at the Multidisciplinary National Conference on Sustainable Nation.
- Presented research paper on "*AI-Based Intelligent Examination Invigilation Using Face Recognition and Behaviour Analysis from CCTV Surveillance*" at the Multidisciplinary International Conference on Sustainable Nation.
- "Future - Proof Yourself with AI" at Samsung BKC
- Presented research on "*Towards a Sustainable Future for Generative AI Technologies*" at the Multidisciplinary National Conference on Sustainable Nation
- Completed Intel's *AI For All* program – AI Appreciate stage and AI Aware, certified by Intel & CBSE (2025)
- Arduino Workshop at IIT Bombay
- Core Java Workshop by IntsGrow Pvt. Ltd. From IIT Bombay
- Training of Artificial Intelligence at AcmeGrade by MoodIndigo (IIT Bombay)
- Microsoft Badges
- Google Cloud Badges

Sessions and Leaderships

- Conducted an interactive session on Artificial Intelligence and Research Methods[Speaker]
- Department Student In-charge VESCON