

AMAN SHARMA

Bengaluru, India | +91-9955306911 / +91 6204984854 | developeras1999@gmail.com | amansharma.in | [LinkedIn](#) | [leetcode](#) | [GitHub](#)

PROFESSIONAL EXPERIENCE

Salesken.ai – Machine Learning Intern (On-site) | Bengaluru, India *March 2025 – Present*

- **Optimized ASR service**, enhancing memory efficiency by **up to 25%** and improving overall processing performance by **15%**.
- **Integrated a noise cancellation feature** into the core product, leading to a **20% improvement** in audio clarity for users.
- Contributed to the development of **Note Taker and Meeting of Minutes (MOM) products**,
- Conducted **multiple proofs-of-concept (POCs)** for **10-15 LLM models**, evaluating their suitability and performance
- POCs on **quantized LLM models** within frameworks like Ollama, identifying potential compared to unquantized alternatives.
- Set up and managed **LLM inference servers** using cutting-edge tools like VLLM and Triton, supporting **high-throughput inference** for critical applications.

Marathon Trends Advisory Private Limited – Software Developer & Research Analyst | Mumbai, India *May 2024 – March 2025*

- Revamped **backtesting algorithms**, reduced processing time by 67% (from over 20 hours to under 7 hours) through implementation of **memoization, dynamic programming, and caching**.
- **Spearheaded** the design and deployment of a **full-stack application** for research analysts using **FastAPI and React.js**, to a 50% reduction in manual data processing.
- Developed a **finance-specific chatbot** based on **RAG models with OpenAI embeddings, ChromaDB, and LangChain**, 40% better response times.
- Developed a sentiment analyzer service that leveraged real-time scraped data from sources like Google Finance to deliver actionable market insights with 90% accuracy
- Regularly Constructed a **technical financial database** to manage over 3,000 + stocks data containing essential metrics (e.g., PE ratios, PAT, MC), optimizing data processing by 30% using **Pandas**.

GS Design- Full Stack Developer | Remote , May 2023 - Feb 2024

- Worked on front and backend of global e-commerce clients like(squarepeg) (custoking).
- Designed and developed frontends for 5+ e-commerce apps using React js and Tailwind Css.
- Integrated APIs with cross-functional teams, .

EDUCATION

Maulana Abul Kalam Azad University of Technology | West Bengal, India **Bachelor of Technology (B.Tech) in Computer Science and Engineering** *Graduated: 2023 | CGPA- 8.9*

Courses- Mathematics for Machine Learning: Multivariate Calculus(coursera) , A Crash Course in Data Science(coursera),AWS Fundamentals: Going Cloud-NativeCybersecurity and Its Ten Domains(coursera), Interactivity with JavaScript(coursera)

PROJECTS

1. **Interview Bot:** Created an **AI-powered speech-to-speech interview bot** using Llama(LLM), PlayAI(TTS), and Whisper(ASR), allowing users to practice interviews for selected roles and receive immediate feedback.
2. **Brain Tumor Detection Application:** Engineered a **Deep Learning application** for brain tumor detection utilizing **Convolutional Neural Networks (CNN)**, achieving an impressive 92% accuracy on MRI scans.(collage project)
3. **OpenChat** :Realtime group chatting application ([link](#))

SKILLS

- **Programming Languages:** Python, JavaScript, C++
- **AI & ML Tools:** VLLM, Ollama, Transformers, Hugging Face, Pydub, ChromaDB, LangChain, TensorFlow, Keras
- **Frontend Development:** React.js, Figma
- **Backend Development:** FastAPI, REST APIs, Nginx
- **Data Processing & Optimization:** Pandas, NumPy, Dynamic Programming
- **Deployment Platforms:** Vercel, Netlify, Firebase, VPS Hosting (Hostinger), Streamlit, Docker
- **Other Tools:** Kafka

ACHIEVEMENTS

- **LeetCode Enthusiast:** Solved **600+ coding problems** with over 130,000 profile views, showcasing strong expertise in Data Structures & Algorithms (DSA).
- **Competitive Programming:** Consistently ranked in top-tier competitive coding challenges on platforms like LeetCode, Codeforces, and CodeChef, demonstrating enhanced problem-solving efficiency.
- **First Prize RoboMac 2020:** Created an intelligent interactive dustbin system.