

AMAN SHARMA

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SUMMARY

Proficient in Python and C++, with a strong grasp of Data Structures and Algorithms for efficient problem-solving. Experienced in building scalable, high-performance backend systems using FastAPI and Django, and handling data manipulation with Pandas. Skilled in creating dynamic, responsive interfaces with React and Tailwind CSS, complemented by Figma for intuitive UI/UX design. Ready to contribute to Uber's team with a diverse skill set in finance, AI, and web development.

EXPERIENCE

*Marathon Trends Advisory Private Limited, **Software Developer***

May 2024 - Present

Optimized backtesting algorithms, reducing processing time from 20+ hours to under 7 hours (a 67% improvement) through memoization, dynamic programming, and caching techniques

Designed and implemented the backend and frontend architecture of an application tailored for research analysts using FastAPI and React.js, resulting in a 50% reduction in manual workflows.

Deployed and managed the application on a Hostinger VPS, maintaining 99.9% server uptime and monitoring performance effectively.

Developed a finance-specialized chatbot leveraging RAG models, OpenAI embedding, ChromaDB, and LangChain, improving query resolution by 70% and reducing response time by 40%.

Scraped live financial data from sources like Google Finance, generating sentiment analysis with 90% accuracy for real-time market insights.

Built a technical database handling over 3,000+ CSV files for financial metrics like PE ratios, using pandas to streamline data processing by 30%.

Enhanced the company's official website, resulting in a 25% improvement in loading speed and an increase in user engagement by 15%.

*Rays Software Solution, **Full Stack Developer***

Jan 2024 - May 2024

Created "Cart" and "Watchlist" features for a multinational e-commerce platform serving over 50,000+ users globally, reducing cart abandonment by 25%.

Developed the frontend for 5+ e-commerce applications, achieving a 20% improvement in load time and enhancing user satisfaction scores by 15%.

Deployed client applications on platforms like Vercel, Netlify, and Firebase, ensuring 99% uptime and optimal performance.

Collaborated with 10+ cross-functional team members to integrate backend APIs, achieving a 30% reduction in development time.

Focused on delivering scalable web applications, ensuring 100% cross-platform compatibility and 99.5% bug-free deployments.

*, **Freelance Software Developer***

Jan 2023 - Dec 2023

Delivered 3-4 projects for clients across various domains, creating customized web applications and user-centric designs.

Developed and deployed a dynamic e-commerce platform for a local business, integrating features like real-time inventory tracking, increasing online sales by 40%.

Built a portfolio website for a creative agency using React.js and deployed it on Netlify, achieving 100% mobile responsiveness and a 20% improvement in SEO rankings.

Designed and developed a blogging platform with a user-friendly content management system (CMS) using Firebase for backend storage and authentication, enhancing user engagement by 30%.

EDUCATION

Maulana Abul Kalam Azad University of Technology

*Bachelor of Technology (B.Tech) • **Computer Science and Engineering***

LICENSES & CERTIFICATIONS

Foundations of AR

Meta • <https://coursera.org/verify/GABQ5R8G65GZ> • Issued Jun 2023

Advanced Styling with Responsive Design

Coursera • <https://coursera.org/verify/UDFEU6XS55A7> • Issued Sep 2020

Interactivity with JavaScript

Coursera • <https://coursera.org/verify/AN7QTWJP5AKH> • Issued Sep 2020

SKILLS

Python • JavaScript • C++ • React.js • Figma • FastAPI • REST APIs • Data Processing & Optimization •
Pandas • NumPy