

Shreyas N

shreyas0043@gmail.com | +91 7204433843

Professional Summary

Results-driven Software Engineer and AI Developer with strong experience in building scalable full-stack web applications, integrating advanced AI/ML models, and developing intelligent systems. Proficient in modern frameworks and architectures with a passion for building AI-powered tools, agentic systems, and user-centric software solutions. Seeking opportunities in AI engineering, software development, and intelligent system design.

Work Experience

AI Intern, Viga Entertainment – Remote Jun 2025 – Present

- Working on automation of Houdini's procedural node graph creation using Large Language Models (LLMs) to accelerate VFX workflows.
- Integrated Python scripting with Houdini's API and generative AI models to create dynamic node trees from textual prompts.
- Researching optimal architecture for coupling ML-driven pattern recognition and geometry generation in procedural 3D graphics.
- Exploring multimodal AI-agent workflows with prompt chaining, node parsing, and asset instancing for real-time Houdini control.

Web Developer and Designer, SIGGRAPH BNMIT – Bangalore, India Jan 2024 – Present

- Delivered 4+ client websites including portfolio sites, event landing pages, and registration platforms designed for high user engagement and optimized for cross-device performance.
- Designed and implemented a high-conversion registration system for a client event, enabling frictionless ticketing and real-time QR validation for 2,000+ participants.
- Improved conversion rates by crafting visually compelling UIs and refining UX flows, leading to 30% higher user task completion on event sites.
- Designed 10+ brand assets including logos, posters, and digital kits that strengthened visual identity and improved brand recall across platforms.

Web Developer and UI/UX Intern, Hoppryde – Bangalore, India Nov 2023 – Mar 2024

- Built and deployed a dynamic landing page featuring a real-time city-to-city ride search module, allowing users to select trip type (e.g., round trip/one way) and instantly view pricing options — improving lead conversion by over 30%.
- Redesigned the platform's end-to-end user interface from login to booking confirmation, focused on intuitive navigation, responsive layouts, and frictionless user journeys.
- Conducted A/B testing and usability audits to validate designs, resulting in measurable improvements in user retention and task completion times.
- Created mobile-first and accessibility-compliant UI designs, enhancing overall platform usability and delivering a 25% boost in session duration.

Projects

Local LLM Inference-as-a-Service System – FastAPI, vLLM, HuggingFace Transformers, Docker, Python

- Set up a FastAPI-based backend to serve responses from open-weight LLMs like Mistral and LLaMA locally, using the vLLM engine to reduce latency and improve throughput.
- Used Docker to containerize the system and tested different quantized models for efficient inference on limited hardware, making it suitable for personal or classroom use.

Autonomous Multi-Agent Workspace AI – LangGraph, LangChain, FAISS, Streamlit, OpenAI API

- Built a simple AI workspace with multiple agents (planner, researcher, summarizer) that communicate and collaborate on tasks using LangGraph.

Personalized Study Coach

–Streamlit, OpenAI, Pinecone

- Built an AI-driven tutor that adapts to user context and learning preferences, retrieves topic-specific data, and interacts through conversational sessions to guide learning.

Blockchain Certificate Verification System

– React, Solidity, IPFS, MetaMask

- Designed a decentralized system to issue and verify academic certificates with on-chain proof and distributed file storage.

Stock Market Predictor

– Flask, yFinance, Scikit-learn

- Developed a stock forecasting tool using regression models trained on yFinance data and presented it with a clean Flask-based dashboard.

Skills

- **Languages:** Python, JavaScript, TypeScript, Go, Rust, C++ , Java, Bash, SQL, Scala, Kotlin
- **AI/ML:** LLMs, Transformers, Fine-tuning, LangChain, Prompt Engineering, Vector DBs, Model Evaluation
- **Web & Tools:** React.js, Next.js, Flask, Node.js, Streamlit, FastAPI, GitHub Actions, Docker, Kubernetes
- **Databases & DevOps:** Firebase, Redis, PostgreSQL, MongoDB, CI/CD, Terraform, AWS, GCP, Azure
- **Design:** Figma, Wireframing, UX Flows, High-Conversion UI, Adobe Suite
- **Other:** Jupyter, Postman, REST, GraphQL, WebSocket, Houdini Scripting, Agentic Systems

Education

BNMIT, Bangalore, B.E. in EcE

Nov 2022 – Mar 2026

- **Relevant Coursework:** Object Oriented Programming, C/C++ , Java, Python, Data Structures and Algorithms, Data Science, Fundamentals of Data Science, VLSI Design, Communication Networks, Embedded Systems and RTOS, Digital Image Processing, Computer Networks and Security, Artificial Intelligence and Machine Learning Applications

Certifications and Courses

- Microsoft Azure AI Fundamentals (AI-900)
- Java Programming Fundamentals
- Data Structures and Algorithms in Python
- Machine Learning Specialization – Stanford
- Introduction to Generative AI – Google Cloud

Achievements

- 2nd Place – Prothon Hackathon, BNMIT
- Participant – Adobe India Hackathon 2025
- Participant – Google Agentic AI Hackathon 2025
- Conducted 8+ workshops under SIGGRAPH BNMIT
- Mentored and judged hackathons at college induction programs