

Anant Jain

+91 9310291178
ja.jainanant@gmail.com

Final Year B.Tech. Student | Competitive Programmer

linkedin/anant-jain09
github/anantj09

Education

Gati Shakti Vishwavidyalaya, B.Tech. in Artificial Intelligence & Data Science

Aug 2023 – May 2027

• **Specialization:** Transportation & Logistics | CGPA: 8.59/10.0

Experience

Applied AI Intern, BISAG-N, Gandhinagar, Gujarat

18 May – 13 Jul 2026

- Architected an end-to-end WebXR virtual fitting room and 3D digital twin platform, achieving 30–60 FPS interactive rendering and 35% lower GPU VRAM overhead, by integrating zero-shot diffusion try-on (CatVTON), 3D mesh regression (HMR 2.0/SMPL), and Gaussian splatting (LHM++) into a decoupled FastAPI/CUDA microservices pipeline.
- Engineered a real-time spatial VR interface with multi-device spectator mirroring, reducing telemetry network bandwidth to <2 KB/s and binary PLY parse latency to <120ms, by authoring custom Three.js GLSL shaders, accelerometer-based Walking-in-Place locomotion algorithms, and multi-stage Docker Compose container deployments.

Machine Learning Intern, CRIS, Delhi, New Delhi

25 May – 25 Jun 2025

- Developed an ML Regressor to predict Rake Turnaround Time at DDU TXR Station, implementing custom feature engineering and congestion metrics, while uncovering critical operational trends through multi-scale EDA (hourly to monthly) to deliver data-driven recommendations for efficiency improvements.

Indian Railways Intern, DRM Pratapnagar, Vadodara, Gujarat

10 – 25 May 2024

- Learned about telecommunication test-room diagnostics for railways & explored railway signalling systems and safety protocols. Visited railways workshop and coach care centre.

Projects

ParkSight: Bengaluru Illegal Parking Intelligence Platform | Full Stack, ML, Geospatial Analytics

Dashboard | GitHub

- Built a full-stack operational intelligence dashboard analyzing **298,000+** parking violations across **802** geohash zones, featuring real-time risk prediction and patrol shift planning; engineered an XGBoost Poisson regression model with **0.56 R²** and **34% RMSE** reduction, served via FastAPI on Render + Vercel.

SecureDocAI: Offline Enterprise Doc. Intelligence System | RAG, SLMs, Info. Retrieval, XAI

- Engineered a fully air-gapped RAG system for semantic QA across **25+** enterprise documents and **35K+** indexed chunks, integrating OCR, FAISS dense retrieval, BM25, and Cross-Encoder reranking with local Phi-3 & Mistral SLMs; developed a research-grade benchmark spanning **125** ques., **7** configurations, and **15+** metrics, and proposed an Explainable Benchmark Confidence Score (EBCS) combining retrieval relevance, context coverage, and source consistency to quantify answer reliability.

FolioGPT: Shakespearean Next-Word Predictor | GenAI, Full Stack, Sequence Modeling

HFSpace | GitHub

- Built a full-stack next-word prediction platform on Shakespeare's **202,000+** word corpus using LSTM, GRU, 1D CNN, and DistilGPT2 with a sparse target mapping pipeline, reducing GPU VRAM by **99.9% (10GB+ → 1.6MB)** while achieving **36.0% Top-1** and **60.3% Top-5 accuracy**; deployed via Flask + Docker on Hugging Face Spaces.

Skills

Programming Languages: Python, C++, C, SQL, Java

Computer Science Fundamentals: Data Structures, Algorithms, Object-Oriented Design (OOD), Complexity Analysis, Operating Systems, Relational Databases, Distributed Systems, Software Engineering, Computer Networking

AI Fundamentals: Principles of AI, Pattern Recognition & ML, Deep Learning, Computer Vision, Natural Language Processing, Optimization in ML, AI&DS in Transportation, Time Series, GenAI/LLM, Trustworthy AI

Frameworks & Technologies: FastAPI, Docker, RESTful APIs, Redis, MongoDB, MySQL, NoSQL, AWS (learning EC2), TensorFlow, PyTorch, Flask, HuggingFace, Java Swing, Streamlit, LangChain, RAG, SLM, LangGraph

Tools: Git, GitHub Actions (CI/CD), Linux, Postman, Supabase, Oracle SQL Developer

Soft Skills: Project Coordination & Adaptability, Leadership, Problem Solving, Technical Reporting, Graphic Design

Achievements & Leadership

Codeforces Rating: 1311 (Pupil current max, might be updated check the link)

Profile link

Finalist in OpenEnv Hackathon at Scaler School of Technology

Meta, Pytorch, HuggingFace | Apr 2026

Finalist in Flipkart GridLock 2.0

Flipkart, MapmyIndia, Bengaluru Traffic Police | Jun 2026

Top 100 in FarAway Hackathon

Zuup, Unstop | June 2026

Programming Domain Head, leading a comprehensive DSA workshop series

Technocrats GSV | May-Sep 2025

Secured 2nd Rank twice in University Hackathon

Epitome TechFest | Mar 2024 | Mar 2025

Organized Code Debugging Competition

Technocrats GSV | Feb 2025