RAJ NANDINI SINGH

Noida | +91 7705979461 | nandinisingh1622@gmail.com
linkedin.com/in/raj-nandini2216 | github.com/nandinisingh16 | Portfolio | Leetcode

SUMMARY

AI/ML Developer experienced in building and deploying production-ready models for Computer Vision and NLP. Demonstrated success in optimizing AI pipelines, achieving a 25% boost in output quality and a 15% reduction in inference time at PhotoGPT. Proficient in Python, TensorFlow, and PyTorch, with a strong foundation in deep learning and Agile methodologies.

EDUCATION

AMITY UNIVERSITY   Noida, UP
Bachelor of Engineering   2022 – 2026
Major in Computer Science; Minors in Artificial Intelligence
Cumulative GPA: 8.38/10
Relevant Coursework: Data Analysis, Software Engineering; Operating Systems; Algorithms; Artificial Intelligence

WORK EXPERIENCE

Evephoria   Noida, UP
Frontend Intern   Apr 2025 – Jun 2025
- Redesigned frontend UI using React 18, TypeScript, and Tailwind CSS, reducing page load time by 20% and increasing user engagement by 10%.
- Enhanced React components with responsive layouts, cutting UI bugs by **35%**, in collaboration with UX and backend teams.
- Integrated **Axios** for API requests and **React Router v6** for efficient navigation, ensuring seamless interaction across pages.

PhotoGPT AI Startup   Remote
Generative AI Intern   May 2025 – Jul 2025
- Refined image transformation pipeline using diffusion model techniques and latency profiling, boosting output quality by **25%** and reducing inference time by **15%**.
- Optimized AI/ML training workflows, improving inference efficiency by 15% and scalability across multiple datasets.
- Identified and resolved pipeline bottlenecks, cutting model training latency by 10% and improving deployment consistency.

PROJECTS

Financial Forecasting + Fraud Detection System| (Python, PyTorch, Scikit-Learn, Time-Series ML)   SpendVision.git
- Developed a dual-model system combining LSTM forecasting with anomaly detection (Isolation Forest + Autoencoder).
- Engineered 20+ behavioral risk features, boosting anomaly detection precision by 31%.

IsMyResumeCooked – AI Resume Scoring & Feedback | (LLMs, Prompt, Embeddings, NLP)   ismyresume.git
- Built an LLM-powered evaluator checking ATS compatibility, clarity, hallucinations, and skill-role alignment.
- Implemented embedding-based semantic scoring to detect weak sections and generate targeted rewrite.

Autonomous Data Preprocessing Pipeline (Agentic AI)| (Python, HuggingFace, LLM, MLOps)   agenticPipeline.git
- Designed a fully autonomous pipeline handling ingestion → cleaning → transformation → feature engineering → EDA → vectorization.
- Added LLM-driven adaptive decision-making and metadata generation for reproducible preprocessing workflows.

ACTIVITIES

Iot Alliance Club and Strokes Club (Creative Head of Events)   Feb 2024 – jan 2025
- Organized 5+ technical workshops and mentored peers on coding and AI tools.
- Led 10+ event campaigns, increasing participation and engagement by 30%.

Hockey University Team (Captain)
- Led university hockey team of 10+ players to Inter Amity championship finals, showcasing leadership, teamwork, and strategic planning under pressure.

ADDITIONAL

Technical Skills: Python, C, C++, SQL, Machine Learning, Deep Learning, NLP, Computer Vision, TensorFlow, PyTorch, OpenCV, Scikit-learn, Data Preprocessing, Docker, Git, Jupyter, Colab, React.js, HTML, CSS, Tailwind, Bootstrap, Linux, DSA.
Certifications & Training: Andrew Ng – **Machine Learning Specialization** (2025), **IBM Data Science** Professional Certificate (2025), Cisco Networking Academy – CCNA Certification (2024), Google Cybersecurity Certification – Coursera (2024), NPTEL – **Python for Data Science** (2023).
Languages: Fluent in English, Hindi; Conversational Proficiency in German