

Archit Jain

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SUMMARY

AI Engineer with hands-on experience in Machine Learning, Deep Learning, and Generative AI. Skilled in building end-to-end AI systems, scalable backend services, and production-ready ML pipelines with real-world deployment exposure.

EXPERIENCE

AI/ML Intern

June 2024 – Aug 2024

Defence Research and Development Organisation (DRDO), New Delhi

- Developed an end-to-end autonomous driving model using a CNN inspired by NVIDIA architecture for real-time lane detection.
- Built a robust image augmentation and preprocessing pipeline, improving model generalization by **35%**.
- Implemented a custom data generator to optimize GPU utilization and increase training speed by **28%**.
- Deployed the trained model using a Flask inference server integrated with the Udacity Simulator.

PROJECTS

AI-CodeSense

Aug 2025 – Nov 2025

Live | GitHub

- Built an AI-powered code analysis platform using the MERN stack and Gemini API for automated reviews and complexity analysis.
- Developed a GitHub repository analyzer to detect architectural and performance issues with **87% accuracy**.
- Designed a master prompt generator that improved AI workflow efficiency by **40%**.
- Optimized backend APIs using caching strategies, reducing response latency by **32%**.

AI-Powered ATS Resume Scoring Engine (GenAI Project)

GitHub

- Designed an LLM-based resume evaluation system using embeddings and semantic similarity for ATS scoring.
- Implemented resume parsing, skill extraction, and job-description matching using NLP and transformer models.
- Deployed scalable REST APIs with secure role-based access control for AI inference.

Customer Relationship Management (CRM) System

Jun 2025 – Jul 2025

Live

- Architected and deployed a CRM platform managing 2,000+ customers and 1,500+ monthly orders.
- Implemented JWT-based RBAC, CI/CD pipelines, and analytics dashboards, improving decision-making speed by **35%**.

EDUCATION

B.Tech in Computer Science

2022 – 2026

GLA University, Mathura

CGPA: 7.86

CERTIFICATIONS

AWS Cloud Practitioner (2025) | Microsoft AI & ML (2025) | Google Data Analytics (2024) | Agile Six Sigma White Belt

SKILLS

Languages: Python, Java, C

AI/ML: Machine Learning, Deep Learning, CNNs, NLP, Generative AI, LLMs

Web/Backend: React, Node.js, Express, Next.js, REST APIs

Databases/Cloud: MongoDB, PostgreSQL, MySQL, AWS, Firebase, Docker

Tools: Git, GitHub, Jenkins, Agile, Data Structures & Algorithms (600+ LeetCode problems)