

Rakesh Nagaragatta Jayanna

AI Creative

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PROFILE

AI engineer with 3+ years of hands on experience building generative AI systems for image creation, including a GAN based fashion image generation and a 3rd place hackathon finish. Open to relocating, genuinely passionate about GenAI powered creative workflows and eager to bring that technical foundation directly into ComfyUI.

PROFESSIONAL EXPERIENCE

AI Engineer (Intern), iterate Technologies GmbH

May 2025 - April 2026 | Germany |

- Built and deployed a RAG based chatbot for the municipality of Bad Breisig using a React/TypeScript frontend and a Node.js REST API backed by PostgreSQL, enabling residents to access local government information through natural language queries; shipped to production.
- Developed a real time object detection system using computer vision and smart glasses to help visually impaired users navigate their surroundings, with a Node.js REST API and PostgreSQL backend delivered as a production ready solution.

Business Analyst, KPMG Global Services Private Limited

November 2020 - August 2023 | India |

- Prepared and cleaned insurance data from the Majesco policy system using Python and SQL. Performed data quality and reconciliation checks to improve the consistency and reliability of data used for analysis and modelling.
- Built and validated Random Forest models for fraud detection, working on feature selection and classification thresholds to identify potentially high risk claims earlier. Model performance improved by around 20%.
- Developed Gradient Boosting models to predict claims renewal likelihood. The results helped the team identify customers more likely to renew and focus outreach where it was most relevant.
- Designed Power BI dashboards to monitor fraud risk and renewal trends, giving stakeholders a clearer view of claim patterns and helping reduce manual review effort by around 30%.

PROJECTS

ComfyUI Workflow for AI Powered Fashion Content Production

- Producing varied, on brand product visuals for e-commerce normally requires expensive reshoots or slow manual editing for every campaign variant. Built a modular ComfyUI workflow combining ControlNet for pose consistency and an IPAdapter node for brand style transfer from a single source photo. Reduced visual variant production time by an estimated 70 percent, generating 10+ usable variations per image.

GAN Based Fashion Image Generation

- Creating varied, on brand fashion visuals manually is slow and doesn't scale across campaigns. Built a GAN based system generating fashion imagery from learned style patterns, exploring how generative models can produce usable creative content at scale. Achieved an estimated 80 percent visual quality acceptance rate in informal review, generating novel fashion imagery in a fraction of the time a manual design pass would take.

SKILLS

- Generative AI for Imagery: GANs, ComfyUI, Stable Diffusion, fashion image generation
- Workflow Design: ControlNet, IPAdapter, style transfer, modular pipelines
- Technical Foundation: Python, model training, model evaluation
- Automation: Workflow automation, process optimization
- Collaboration: Creative-to-technical translation, cross functional teamwork

EDUCATION

Master of Science, Applied Data Science and Analytics — SRH University Heidelberg, Germany

October 2023 - September 2025

Bachelor of Engineering, Computer Science and Engineering — Malnad College of Engineering, India

June 2016 - September 2020

ACHIEVEMENTS

3rd Place, Paretos Decision Hackathon, Heidelberg — Built Compass, a multi agent demand planning system where planners override AI forecasts with reasoned justifications instead of accepting a black box. Improved forecast accuracy by 21.8% across 68,000+ item months of data.

LANGUAGES AND CERTIFICATES

Languages: English (C1), German (B1)

Certifications: NVIDIA - Fundamentals of Deep Learning | Microsoft Certified: Azure Data Engineer Associate