

Data Scientist with 3+ years of experience delivering end-to-end ML solutions across insurance, e-commerce, and healthcare. Skilled in building scalable predictive models, NLP pipelines, and CV applications. Proficient in Python, MLflow, FastAPI, and cloud deployment. Adept at aligning ML systems with business KPIs, streamlining workflows, and improving model interpretability. Passionate about solving real-world problems using data-driven insights and modern AI techniques.

EDUCATION

- **M.Tech** in Applied Artificial Intelligence, [Visvesvaraya National Institute of Technology, Nagpur](#) Jan 2024 - 2026
- **PG Diploma** in Data Science & Applications, [Axis India Machine Learning](#) Jan 2020 - 2021
- **B.Tech** in Computer Science Engineering, [JECRC University, Jaipur](#) May 2016 - 2020

WORK EXPERIENCE

Data Scientist, Aureus Analytics, a Gradatim Insurance Tech Company Gurugram, India Feb 2023 – Present

- Built predictive models for insurance claims, boosting fraud detection accuracy by 30%.
- Developed ML pipelines with MLflow for experiment tracking and model versioning.
- Automated risk stratification workflows, reducing manual overhead by 25%.
- Collaborated with cross-functional teams to translate insights into strategic decisions.

Associate Data Analyst, GlobalLogic, a Hitachi Group Company Gurugram, India Aug 2021 – May 2022

- Designed recommendation systems for e-commerce use cases, improving conversions by 10%.
- Led A/B testing initiatives to refine marketing outreach and budget allocation.
- Extracted patterns from large datasets to support business intelligence and reporting.

PROJECTS

Variational Autoencoder on Medical Imaging 2024

- Trained VAEs on anonymized CT scan data to identify anomalies using unsupervised learning.
- Visualized latent spaces using dimensionality reduction techniques (UMAP, t-SNE).

Insurance Claims Fraud Detection 2024

- Designed a fraud detection model using Random Forest and XGBoost, to flag suspicious claims.
- Integrated the model into the production pipeline with real-time alerts.

Customer Churn Prediction Model 2024

- Built churn prediction models using Gradient Boosting to improve customer retention.
- Enhanced interpretability with engineered features and explainable metrics.

Cancer Detection using Semi-Supervised GANs 2022

- Trained GANs on limited medical data to classify early-stage cancer.
- Achieved 75% accuracy with a dataset of ~600 images using TensorFlow.

Object Detection using TensorFlow API 2021

- Deployed SSD-based object detection using TensorFlow API for real-time applications.

SKILLS

Languages & Tools	Python, SQL, R, Git, Linux, Docker, Bash, FastAPI, Flask, TensorFlow, PyTorch, Scikit-Learn, MLflow
Machine Learning & AI	Supervised/Unsupervised Learning, NLP, Deep Learning, GBM, GANs, LLMs, NLP Pipelines, A/B Testing
Deployment/Cloud	MLflow, API Development, Dockerization, Basic AWS/GCP

CO-CURRICULUM ACTIVITIES

- **Internships During College (2016–2020)** – Gained hands-on experience in diverse roles including graphic design, web development, E-summit organization, and lead generation.
- **ML Internship – Axis India ML Labs (2021)** – Built lead-scoring models using ensemble techniques and hyperparameter tuning.
- **Tech Blogger & Mentor** – Published practical content on applied ML and mentored junior data scientists via GitHub/LinkedIn.
- **Freelance UI/UX Designer** – Designed branding and product interfaces for early-stage startups.
- **Wellness Coach & Community Builder** – Conducted workshops focused on mental well-being and tech burnout recovery for working professionals.