

Parmod

AI/ML Engineer

parmodk.official@gmail.com | Jhajjar, Haryana, India | Open to remote international roles and contracts
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PROFESSIONAL SUMMARY

AI/ML Engineer building tested AI applications, analytics platforms and production-oriented ML infrastructure.

Experienced with Python, SQL, FastAPI, RAG, model evaluation, Docker, Kubernetes, AWS and observable delivery through internships and independently engineered systems.

TECHNICAL SKILLS

- Languages and data:** Python, SQL, PostgreSQL, Redis, Pandas, NumPy
AI and machine learning: RAG, LangChain, FAISS, Transformers, PyTorch, scikit-learn, XGBoost, SHAP
APIs, MLOps and cloud: FastAPI, Docker, Kubernetes, GitHub Actions, OpenTelemetry, AWS, GCP
Product analytics: Product metrics, cohort and funnel analysis, experimentation, A/B testing, model monitoring

INTERNSHIP EXPERIENCE

- Software Developer Intern - AI/ML | OpenQQuantify USA | Remote** Jan 2025 - Jul 2025
- Built and integrated ML, LLM, RF/IoT visualization and emulation prototypes across Flask services.
 - Improved delivery readiness through Dockerized tooling, explicit error handling, CI/CD workflows and technical documentation.
- AI Research Intern | Coding Jr / Code4Bots Technologies Pvt. Ltd. | Remote** Feb 2025 - Apr 2025
- Evaluated AI copilot workflows, automation opportunities and product integration patterns.
 - Translated technical findings into an evidence-led engineering and business presentation.
- Data Science Intern | Innomatics Research Labs | Remote** Sep 2024 - Dec 2024
- Built RAG and NLP workflows using LangChain, vector retrieval and LLM APIs.
 - Applied advanced data analysis and machine-learning evaluation and documented technical findings.
- Data Science Intern | Acmegrade Pvt. Ltd. | Remote** Jul 2024 - Sep 2024
- Built supervised-learning workflows for car-price and Parkinson's prediction problems.
 - Compared feature engineering and model-evaluation approaches through reproducible analysis.

INDEPENDENT AI/ML ENGINEER — PROJECT-BASED ENGINEERING

Self-directed portfolio engineering work; not employment or paid client engagements unless explicitly identified otherwise.

RetentionOS | Product intelligence platform

Joined behavioral events, SQL analytics, retention and funnel analysis, calibrated churn prediction and governed A/B testing.

Evidence: 167 backend tests passed with 4 skipped. **Repository**

Resilient Distributed Runtime | Reliable infrastructure for AI/ML services

Combined bounded execution, cluster membership, causal CRDT replication, durable recovery, mTLS, observability and chaos testing. **Evidence:** 439 tests passed with 8 skipped. **Repository**

AXIOM Portfolio Intelligence | AI-assisted portfolio research system

Evaluated constrained portfolio strategies and produced source-grounded explanations without allowing generated text to change allocations. **Evidence:** Walk-forward evaluation showed equal weighting leading on return and Sharpe. **Repository**

EDUCATION

- M.Sc. Computer Science** 2022 - 2024
A.I.J.H.M. College, Rohtak - Maharshi Dayanand University, Rohtak
- B.Sc. Non-Medical with Computer Science** 2018 - 2021
Vaish College, Rohtak - Maharshi Dayanand University, Rohtak

CERTIFICATIONS

- Oracle Cloud Generative AI Professional | Oracle, 2025
Oracle Cloud Data Science Professional | Oracle, 2025
Oracle AI Vector Search Professional | Oracle, 2025