

GAGAN R

Bengaluru, Karnataka, India

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Professional Summary

Machine Learning Engineer Intern with experience developing predictive models, customer analytics platforms, experimentation frameworks, and AI-powered applications using Python, SQL, Scikit-Learn, FastAPI, and Large Language Models. Skilled in machine learning pipelines, feature engineering, statistical modeling, A/B testing, and business analytics. Currently contributing to production AI systems at FlyRank AI.

Technical Skills

Languages: Python, SQL, Java, JavaScript, C

Machine Learning: Classification, Regression, Clustering, Feature Engineering, Model Evaluation, Hyperparameter Tuning, Cross Validation, Ensemble Learning

Data Science: EDA, Statistical Analysis, A/B Testing, Bayesian Inference, Customer Segmentation, Churn Prediction, CLV Estimation

AI & Tools: LLMs, RAG, Prompt Engineering, Text-to-SQL, FastAPI, Scikit-Learn, Pandas, NumPy, SQLAlchemy, SQLite, Git, GitHub, Power BI, Tableau

Experience

Machine Learning Engineer Intern
FlyRank AI

Jun 2026 – Present

- Developed machine learning pipelines, data preprocessing workflows, and feature engineering solutions for AI-driven analytics systems.
- Assisted in experimentation, model evaluation, and performance optimization across production AI applications.
- Collaborated with engineering teams to improve deployment readiness and analytics workflows.

Projects

Customer Segmentation and Retention Analytics Platform

- Built an end-to-end analytics platform for customer segmentation, churn prediction, and CLV estimation.
- Achieved **87% F1-score** using machine learning models and automated retention recommendation workflows.

Conversational Analytics Agent

- Developed a RAG + Text-to-SQL analytics assistant enabling natural language access to structured databases and documents.
- Designed retrieval and reasoning pipelines supporting business intelligence workflows.

Uncertainty Quantification in ML Classifiers

- Benchmarked five machine learning classifiers across three datasets.
- Reduced calibration error by **63%** using Platt Scaling and Isotonic Regression.

Education

Bachelor of Engineering in Information Science and Engineering

Akash Institute of Engineering and Technology
Expected Graduation: 2027

CGPA: **8.3/10**

Certifications

Oracle Data Science Professional | IBM RAG Applications | AWS Machine Learning Foundations | Microsoft Generative AI Fundamentals | Anthropic Claude (Vertex AI & Bedrock)