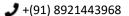
# **UNNIKRISHNAN R S**



in Linkedin

Portfolio

## **TechnicalSkills**

Languages and Databases: Python (Pandas, NumPy), SQL, MySQL

MLOps & Cloud: MLFlow, DVC, DagsHub, Docker, Airflow, AWS, CI/CD, Grafana

Machine Learning: Scikit-learn, XGBoost, LightGBM, Supervised and Unsupervised Learning, Optuna

Web Scraping: BeautifulSoup, Selenium

Generative AI Tools & Frameworks: OpenAI, Llama, Hugging Face, LangChain, Langsmith, CrewAI, Ollama

## **Experience**

LOGICPLUM Data Scientist

August 2023 - Present

Kerala, India

- Achieved a **95% on-time project completion rate** by leading a team of five data scientists, promoting collaboration and quality assurance processes, and successfully managing multiple projects concurrently.
- Reduced project completion time by 40% by taking initiative in implementing MLOps workflows, introducing standard operating procedures across various projects.
- Increased team productivity by **20% by developing a structured onboarding program**, which improved new data scientist integration and accelerated readiness for project contributions.
- Drove **cross-departmental alignment** by facilitating collaboration between datascience, product, and engineering teams, while engaging directly with clients to align project goals with business objectives, ensuring deliverable clarity and **increased stakeholder trust**.
- Promoted from Associate Data Scientist to Data Scientist, Senior Data Scientist, over a span of three years, reflecting consistent performance, expertise, and **leadership** growth.

# **Projects**

Electronic Medical Record Risk Categorization Platform | Python, Airflow, SQL, Scikit-Learn, NLP, MLOps

- Developed an end to end EMR risk analysis and categorization platform to replace human medical coders by utilizing NLP techniques, supervised machine learning algorithms, and various MLOps tools, reducing categorization time by 99%.
- Created an Apache Airflow ETL Pipeline to streamline the process of extracting, transforming and loading the data to SQL
  Server Database on a daily basis, reducing the data cleaning and processing time by 40%.
- Created Inference API's using Flask, Fast API, performed containerization using Docker and deployed the models to production using AWS.
- Collaborated closely with project managers and client teams, facilitating project development and stakeholder

AI-Powered Staff Scheduling Platform for Hospitals | Python, Scikit-Learn, Time Series Forecasting, FastAPI, SQL

- Built an Al-powered staff scheduling application to optimize daily workforce allocation in hospital environments, reducing overstaffing and improving operational efficiency by 30%.
- Designed a predictive model using **time series forecasting and supervised learning** to estimate daily patient inflow, allowing dynamic staff scheduling based on real-time and historical data.
- Deployed scalable inference APIs using FastAPI and Flask to enable real-time predictions and staff scheduling updates.
- Integrated reporting features for shift management, staff attendance logs, and cost analysis, enabling hospital management to make informed staffing decisions and **maximize profitability**.
- Collaborated with hospital admins and HR teams to fine-tune scheduling algorithms and ensure alignment with regulatory compliance and operational policies.

AI-Powered EDA Report Generator with LLM Insights | Python, Pandas, Seaborn, Scikit-Learn, OpenAI, NLP, PDF Report Generation

- Developed an automated **EDA tool** that reads any dataset, generates visualizations, and produces a structured, downloadable PDF report **reducing manual analysis effort by 90%**.
- Integrated OpenAI's GPT model to generate human-readable insights, describe plots, highlight trends, and suggest data improvements directly within the report.
- Implemented a pipeline to **detect missing values, outliers, imbalanced classes, and other data quality issues**, along with Alpowered recommendations for resolution.
- Structured the report with dataset overview, visual analysis, Al-generated findings, problem areas, improvement tips, and a conclusion exportable as a polished PDF.

# **Education**

**Kerala University, Kerala**Bachelors in Computer Science

**Apr 2018 - Mar 2022** Kerala

## **Awards & Achievements**

- Best Performer Q4 2024: Received the Best Performer Award for maintaining on-time delivery and efficiency to 100% over a span of 3 months.
- Runner-Up Company Innovation Challenge: Recognized as the runner-up in a company-wide Innovation Challenge by ideating and developing a project from scratch that provided impactful and practical benefits to the organization.