GOKUL PACKIRISAMY

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Data scientist with good communicational capabilities, logical thinking and self-motivated goals, looking forward for an opportunity to utilize the experience, acquire skills and hands on experience in a growing environment. Enthusiastic about Business intelligence, Data science, AI-ML and Generative AI to make some remarkable achievement in the field for the betterment of self and the organization

EDUCATION

Executive MBA, Management (2021-2022)	**IIT, Madras Chennai.**
Master's degree, Computer Systems and infrastructure (2017-2020)	**BITS, Pilani Bangalore, India.**
Bachelors' degree, Physics (2013-2016)	**Bharathidasan Univ., Tiruchy, India.**

SKILLS

- **Domain:** Data Science, Machine learning, Gen AI
- **AI:** Transformers, LLMS, LSTM & NLTK
- **Cloud skills:** Google cloud platform and AWS
- **Databases:** Oracle SQL, Big Query & MySQL
- NumPy, Pandas, Matplotlib, Scikitlearn, Seaborn, and bs4

- **Programming:** Python, R, SQL.
- **AI Frameworks:** Pytorch, Keras, TensorFlow
- **Natural Language Processing:** IBM Watson
- **Dev-ops:** Git, Jenkin.
- **ML Tools**: Kubeflow, Airflow, ML Studio.

EXPERIENCE

CAPEGEMINI TECHNOLOGIES – Senior Data Scientist   **APRIL 2023 - PRESENT**

Managing algorithmic optimization and AI Analytics in supply chain analytics suite used by healthcare clients in SBU.

- Managing Forecasting and Demand planning, with predictive AI models with time series data like **Regression Analysis, Support Vector Machines** (SVMs), **ETS, TBATS and ARIMA** for 3% lower MAPE for Healthcare data.
- Designed supply chain optimization algorithms, improving forecasting accuracy, feasibility checks like forecasting ability, ABC class classifier using pareto principle and Exceptions.
- Data cleaning, Data transformation, Data modeling and automation using Python, SQL and R.
- Implementation of Gen AI in Supply chain using various python libraries like Hugging face, Lang chain, and Pydantic, Building Gen AI Roadmap & Running Proof of concept.

PRODAPT SOLTIONS – Lead Data Scientist   **MAY 2022 – APRIL 2023**

Leading Data science use case for US based telecom provider.

- Built blend use case of Statistics, Machine learning and Deep learning models in time series data using **LSTM, Neural prophet, Holts Winters and ARIMA/SARIMA** for Capacity planning thereby accounted for 5% reduction in Relative RMSE
- AI bot fixes, high-speed internet using **XGBoost**, **Decision tree** and **Random Forest** Classifier and improved 20% efficiency of the telecom lines troubleshooting and bot action fixes.
- Constructed Computer Vision Use cases, POCs, and prototypes using **Convolutional NN** for troubleshooting Plain Old Transmission Services (POTS) and Digital Subscribers Image analytics.

- Introduced process improvement in Data Preprocessing, optimized ML pipelines, and ML Studio projects. Facilitated $150k Business benefit and $15k cost savings.

WIPRO TECHNOLOGIES – Data scientist   **FEBRUARY 2017 – MAY 2022** *Part of POD team working for 3 different projects in US based Healthcare and Lead UK based Banking project in demand planning and forecasting through AI-ML Over the course of 5 Years.*

- AI Powered Healthcare supply chain planning for 30+ distribution centers, 200+ warehouses and 18 Products across US. Experience with handling time series datasets.
- Several AI Banking projects including **pattern mining, alert classification, malware detection** and data transformation for England and Scotland markets.
- Built 6 personalized assistance for Insurance customers using Language models. Performed Sentiment analysis, Semantics analysis, Syntactic analysis for Translators, Automated replying agents and querying bots deployed as a web application through **IBM Watson, Stream lit and Ploty dash.**
- Natural language processing, Demand planning, **Optimization, chatbots, Regression and classification** algorithms.

CERTIFICATIONS

- IBM Certified App Developer: Watson V3 certification.   Dec 2019
- Azure Data fundamental DP 900: Microsoft Certification.   Jan 2021
- Coursera Certifications on Data Science: Coursera Certification (30 + Certificates)   Jan 2020 – Feb 2025

NOTABLE PROJECTS

- Generative AI implementation in Supply chain and demand planning through GPT, BART and Diffusion models and fine-tuning the LLMs.
- AI in Banking: Credit Risk Analysis, Customer Profiling and Recommendation engines using AI model for a leading Banking Client.

ACADEMIC PROJECTS

- The future and new age banking solutions caused by cutting edge technologies (AI-ML):
                    Indian Institute of Technology Madras, Chennai.
- Stratagem for effective software deployment for an enterprise through SCCM/MECM:
                    Birla Institute of Technology and Science, Pilani

AWARDS & ACHIEVEMENTS:

- You made a difference, Round of applause(x3) and Pleasure to work with you –   Wipro Technologies
- Outstanding contribution to the delivery, Connect Manager   –   Capgemini Technologies.