

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)

Master's degree, Computer Systems and infrastructure (2017-2020)

Bachelors' degree, Physics (2013-2016)

IIT, Madras Chennai.

BITS, Pilani Bangalore, India.

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 – Team Manager

APRIL 2023 - PRESENT

Project: Forecasting Project for Healthcare Client – Supply chain Vertical

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 Engineer

MAY 2022 – APRIL 2023

Project: AIML - Data science use case. Client - 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.

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

WIPRO TECHNOLOGIES – Senior Project Engineer

FEBRUARY 2017 – MAY 2022

Project: AIML Pod Client – Wipro internal strategic Unit for innovation strategy

Part of the 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 Plotly dash.**
- Natural language processing, Demand planning, **Optimization, chatbots, Regression and classification** algorithms.

CERTIFICATIONS

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|---|---------------------|
| • 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): **IIT, Madras.**
- Stratagem for effective software deployment for an enterprise through SCCM/MECM: **BITS, Pilani**

AWARDS & ACHIEVEMENTS:

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| • 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. |