**SKILLS:**

Python ·Data Science · Machine learning · Predictive analysis◦ Text Analysis · SQL · Natural Language Processing (NLP)· Cluster Analysis· Segmentation· Recommendation Systems· Neural Networks· Logistic Regression· LSTM(LongShort-Term Memory)· Transformers· Attention Models· Bagging and Boosting· Generative Models TensorFlow, PyTorch, and data structures| Microsoft Azure GCP (Google Cloud Platform) AWS (Amazon Web Services)| Quantitative analysis, LLM, GEN-AI , RAG,Apache Kafka,Containerization, Docker, Kubernetes,Terraform,Teradata, Pyspark,AWS Sagemaker,Azure Machine Learning Studio, GCP Vertex AI.**EXPERIENCE :**

**Wells Fargo, Bengaluru**,  *AVP - Quantitative Analytics specialist*  SEPT 2022 - PRESENT

*Achievements:*

* **Led the** development of **diagnostic models** to reduce **login friction**, resulting in **$1M annual savings**.
* Created a **propensity scoring solution**, leading to **$1.4M in annual savings** by improving user engagement and retention.
* Built an **entity matching** model that improved name-matching in bank transfers, addressing challenges with nicknames and spelling variations, saving **$2.4M annually**.
* Published a micro-paper on product recommender systems, **selected from 400 submissions for an external conference.**

*Responsibilities :*

* Designed and implemented machine learning-driven **diagnostic models** to improve the user experience for **1.3 million monthly** users. Collaborated with cross-functional teams to identify and prioritize high-impact solutions, **contributing modular, reusable code assets** to enhance development efficiency.
* **Worked with PowerBI team to build data pipelines using Power BI** to track drivers indicators and support data-driven decision-making.
* Designed and developed propensity models to **segment low-engagement users, reducing churn** and driving **digital engagement.**
* Led **end-to-end design and deployment** of **scalable entity-matching solutions** for bank transfers.
* Established **repeatable patterns for model development, deployment, and monitoring** and Automated workflow Orchestrations like ML pipelines, such as **data preprocessing, model training, and evaluation**, that could benefit from automation.
* Utilised **Kafka** for real time scoring for Entity Matching use case
* **Delivered a scalable chatbot** integrating **NLP techniques to streamline customer service processes** and **generate visual insights like flowcharts.**

**Infiniti Research, Bengaluru–** *Software engineer*JAN 2022 - SEPT 2022

*Achievements***:**

* **Automated daily data workflows** for an Australian client, reducing manual effort and ensuring consistent updates with Python and Ec2 instance on AWS.
* Streamlined **data preparation** for analysis by i**ntegrating SQL Server** for efficient reporting and decision-making.

*Responsibilities:*

* Designed and implemented **AI-driven applications** on platforms like **Azure (Synapse, Databricks, Data Factory) and AWS (SageMaker, EC2, S3).**
* Developed **automated data workflows** to support **model evaluation and data processing** across large datasets.

**Aroha Technologies, Bengaluru***- Jr. Data Scientist* APR 2021 - DEC 2021

*Achievements***:**

* **Optimized cloud workflows** by i**ntegrating AWS S3 with Redshift and Azure Blob with Synapse.**
* **Built predictive machine learning** models to enhance **logistics forecasting accuracy.**
* **Developed Python-based sentiment** analysis tools for **analyzing interview videos.**

*Responsibilities:*

* Designed real-time **analytics dashboards** by integrating **cloud platforms (AWS, Azure) with Power BI**.
* Maintained **robust data pipelines** using **PySpark and SQL to ensure seamless analytics** and reporting.
* Deployed **scalable data applications on AWS EC2** to enhance the **performance of analytics and ML models**.

**GEA Westfalia Separator India Pvt Ltd, Bengaluru***- Engineer* Mar 2019 - Mar 2021

*Achievements:*

* Led efforts **to collect, clean, and upload data** from **14 country-specific databases into SQL Server for analysis.**
* Utilized machine learning to **predict machine failures**, improving operational efficiency.

*Responsibilities:*

* **Conducted data preprocessing** and cleaning to create actionable datasets for machine learning applications.
* **Implemented predictive models** to proactively address maintenance issues and optimize machine performance.

**EDUCATION :**

* Deakin University ,Australia /Master of Data Science, Feb-2025,
* University of Texas,Austin /Post Graduate in Artificial Intelligence and Machine learning , Sept-2021,

Link to certificate: <https://vrfy.digital/nnZXV>

* Jönköping University,Sweden / Post Graduate in Production Development and Management , June-2019
* PES-IT,Bengaluru / Mechanical Engineering , June – 2016

**AWARDS :**

* Awarded the "**Spotlight Award**" for excellence in execution by WellsFargo
* Received recognition for **“effective collaboration with cross-functional teams”**to deliver projects from WellsFargo.