

# Rahul Garg

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## EDUCATION

### SRM University

BTech - 9.54

Chennai, India

July 2013 - May 2017

## TECHNICAL SKILLS

**Programming Languages:** Python, SQL, Shell Scripting, HTML5

**Libraries and Tools:** PyTorch, Tensorflow, PySpark, Scikit-learn, HuggingFace, Git, Flask, Streamlit, PowerBI

**ML Algos/Architectures:** XgBoost, Random Forest, Linear Regression, Clustering, Time Series Forecasting, Transformers(BERT, GPT), Anomaly Detection, LSTM, Generative AI, Langchain

**Database:** Oracle DB, MongoDB, Cassandra, Kairos, HBase

## WORK EXPERIENCE

### Senior Data Scientist

Wells Fargo, Hyderabad, India

Nov 2022 - Current

- **Developed and Led Data Science Platform:** Led the creation of a cutting-edge data science platform for front-office traders, boosting data processing efficiency by 20%.
- **Enhanced Decision-Making with Analytics:** Provided valuable insights from diverse data sources like FX and RMBS, enabling a 15% increase in informed decision-making through advanced visualizations.
- **Forecasted Market Trends and Analyzed Sentiment:** Implemented time series forecasting models (LSTM) to analyze FX volatility and built a FinBERT sentiment analysis model. This combined approach improved issue identification and analysis by 25%.

### Data Scientist

Fractal Analytics, Gurgoan, India

Sept 2021 - Nov 2022

- **Led Self-Serve Analytics Dashboard Development:** Spearheaded the creation of a self-serve analytics dashboard for a multinational banking client, empowering them with data-driven insights.
- **Advanced Analytics Expertise:** Incorporated digital journey analysis, data harmonization, and predictive modeling using big data tools (Spark & PySpark) to deliver actionable business intelligence.
- **Leadership & Collaboration:** Mentored junior data scientists, led module development and fostered cross-functional collaboration, resulting in a positive impact on business outcomes.

### Svc Info Developer

Hewlett Packard Enterprise, Bangalore, India

Oct 2017 - Sept 2021

- **Proactive Performance Management:** Developed and implemented KPIs to proactively monitor operations, resulting in a 40% reduction in SLA breaches.
- **Streamlined Telecom Analytics with Automation:** Delivered 5 successful telecom-based use cases using Pyspark, Pandas, Machine Learning, and statistical modeling, leading to a 20-30% decrease in overhead time.
- **Automated Data Insights Delivery:** Built and automated analytical reports and dashboards using Python, enhancing data accessibility and efficiency.

## PROJECTS

- **Market Commentary Analysis,** Extracted insights from unstructured data (NLP) and financial sources (HBASE, Bloomberg) to build a sentiment-driven forecasting model for market analysis.
- **Chatbot For CRM and Auto TT Assignment,** Led platform development using anomaly detection and time series analysis to proactively identify and resolve IT issues before user impact, enabling zero-touch provisioning and data-driven root cause analysis.
- **Self Monitoring Platform (HPE),** Built and deployed a proactive monitoring system utilizing anomaly detection and time series analysis, achieving a 60% reduction in downtime, 20% faster root cause identification, and 30-hour/week efficiency gain through automation and data-driven insights.

## CERTIFICATIONS

- Deep Learning Specialisation - Coursera
- Natural Language Processing Specialisation - Coursera

## RECOGNITIONS

- Best Innovation Project in India Geo HPE - 2020
- Recognised as Most Valuable Player HPE - 2019 & 2020
- Presented & documented impactful ML solutions at Townhalls & platforms like Confluence at Wells Fargo.