

# Jithin Prakash K

Data Science Technical Lead

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Bengaluru, India

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**CAREER SUMMARY:** IBM Data Science and PRINCE2 certified Data Science Technical Lead with 12+ years of experience in Leading large-scale projects for Fortune 500 clients in Data Automation, Machine Learning, Analysis & Visualization

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## EDUCATION

- **Post Graduate Diploma (Data Science), 2020-2021**  
International Institute of Information Technology, Bangalore  
**CGPA:** 4.0 (out of 4), Deep learning specialization
  - **Bachelor of Technology (Mechanical Engineering), 2004-2008**  
Amrita Vishwa Vidyapeetham  
**CGPA:** 8.72 (out of 10)
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## EXPERIENCE

### DATA SCIENCE TECHNICAL PROJECTS LEAD – Tata Consultancy Services

04/2013 – 08/2021

**Clients:** PagerDuty, Rolls Royce, Siemens Energy, Tata Boeing Aerospace Ltd

**Location:** Bangalore – India, **Nottingham – United Kingdom**

- **Data Analyst** dealing with real-time manufacturing data to ensure data are within range and provide insights on trends, patterns and anomalies. Use these for **machine learning** to enhance productivity and drive better **business outcomes**.
- Developed advanced algorithms that solve problems of large dimensionality in a computationally efficient and statistically effective manner.
- Experience in hypothesis testing, machine learning and retrieval processes on large, unstructured data sets to identify trends, figures and other relevant information.
- Extensive experience in analyzing and modelling large volumes of data using advance SQL queries.
- Automated add-ins to efficiently improve the quality of visual documents.
- Technical support for continuous improvement of divisional manufacturing projects/processes.
- Create **data-based dashboards** for reporting for Engine health monitoring and prediction of anomalies & probable maintenance required using SQL and Python.
- **Exploratory data analysis** (EDA) and data automation of measurement system analysis using Python programming.
- Team management and skill development experience. Agile project planning and project management experience
- Extensive programming and debugging skills in python using **Pandas, NumPy, Scikit-Learn, SciPy, TensorFlow** etc.
- Experience in data mining, text mining, predictive and forecast modelling.
- Worked of Algorithms but not limited to **Linear regression, Logistic Regression, Clustering using KNN, DBScan, Decision Tree, Random Forest, Gradient Boosting, Neural Network** using Keras and TensorFlow.
- Achievements: Best Performer 2014-15; Six Sigma Green Belt; Star of the Month Award.

## **DATA SCIENCE CONSULTANT – Health IQ (*Freelancer via Toptal.com -Talent from the Top 3%*)**

<https://www.toptal.com/resume/jithin-prakash-k>

01/2021 – Present

**Location:** Kerala – India Working as a freelancer for Health IQ, USA

- **Business Intelligence analyst** building solutions to business problems via simple visualization reports and dashboards.
- Processing, cleansing, and verifying the integrity of data used for **analysis**.
- Creating and managing multiple dashboards using **SQL** on **periscope** and **looker**.
- **Model building** on leads and opportunities using **Python** and Machine learning algorithms like Logistic Regression, Random Forest, XGBoost and Light Gradient Boost on customer attributes for marketing and sales team in the **healthcare/insurance domain**.
- **Feature Importance** identification for the marketing and sales datasets.
- Partner cross-functionally with product managers, marketing and sales directors, core platform engineers, and AI researchers to improve the marketing and sales strategy and processes.
- Working for the marketing team of HealthIQ insurance in generating dashboards in periscope using advanced **SQL queries on Amazon Redshift SQL database**.

## **STATISTICAL PROCESS CONTROL AND PROCESS IMPROVEMENT ENGINEER – BEML Ltd**

03/2010 – 03/2013

**Location:** Palakkad, India

- Managed 200+ resources as Production in charge.
- Created and manage inventory and resource management system, use a large amount of Data apply **statistical models**, and provide insights.
- Published and Managed Dashboard Creation and **Data Visualization** for Resource Utilization and Inventory management.
- SME in **Statistical Process Control** Activities and experience in Kaizen, Root Cause Analysis.
- Conducted in-plant tests in advance to assure unit testing and avoid unplanned overhead costs.
- Designed and performed experiments to evaluate and optimize manufacturing processes or methods.
- Achievements: Process Improvement Champion, ISO internal auditor, Kaizen, and 5S single point of contact.

## **DATA ANALYST – (*Freelancer via Upwork Global INC.*)**

03/2010 – 04/2013

**Location:** India (Freelancer)

- Worked as a freelancer for more than 100+ projects in data automation, **data analysis**, and dashboard creation.
- Main areas of work include but are not limited to, **Exploratory Data Analysis**, Dashboard creation, MS Office and Google sheets Automation, MS Access/MySQL integrated inventory management system.
- Secondary working projects in Composite Imagery creation and website automated update/**Scraping**, SharePoint based weekly status, and storyboard creation.
- **Dashboard** creation using raw data and calculations and report generation, **Data Mining**, and **web-scraping**.

## **DESIGN AND DRAFTING ENGINEER – Tata Consultancy Services**

10/2008 – 03/2010

Design and drafting of Airbus A350 and A380 electrical harness in Catia, Automation of Catia V5 using Visual basic

## **JUNIOR LECTURER– Amrita Vishwa Vidyapeetham**

07/2008 – 10/2008

Junior lecturer at Amrita University Mechanical Engineering department.

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## CERTIFICATIONS

- **Data Science** Professional Certificate – IBM-Coursera
  - **Machine Learning** using **python** – IBM-Coursera
  - **Data Analysis** and data **visualization** using **python** – IBM-Coursera
  - **PRINCE2®** 2017 Foundation certification May 2019 – May 2022 – Axelos
  - PRINCE2® 2017 **Practitioner** certification– Axelos
  - Data Science **Math Skills** - Duke University
  - **Tableau** Consumer & Author - Tableau
  - Leadership Programme | **Lean six sigma** greenbelt – TCS
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## COURSE MODULES

- Data Analysis and Visualization using Python | Analytics Problem Solving | Data Analysis using SQL | Inferential Statistics | Hypothesis Testing
  - Machine Learning and | Linear Regression | Logistic Regression | Tree Models | Gradient Boosting | Time Series | Clustering | KNN | SVM
  - Deep Learning | Artificial Intelligence | CNN | RNN | OpenCV | Computer Vision | LSTM | TensorFlow | Keras | Attention Models | Google Colab
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## DOMAIN SKILLS

- Data Science
- Machine Learning Methodologies
- Optimization Techniques
- Text Mining
- Data Mining & Analytics
- Predictive & Statistical Modelling
- Sentiment Analysis
- Account Mining
- Data Analysis
- Data Visualization
- Project Delivery
- Predictive Modelling & Analytics
- Programming
- Process Improvement
- Manufacturing
- Statistical process control
- Team Coordination & Leadership
- Debugging

## SOFT SKILLS

- Adaptive
- Time efficient
- Systematic.
- Team-worker.
- Quick learner.
- Critical thinking and Problem-solving skills.
- Story telling

## TECHNICAL SKILLS

- **Languages:** Python, Visual Basic, SQL
  - **Machine/Deep Learning:** ANN, CNN,
  - LSTM, Ensemble Trees, Gradient Boosted trees
  - **Database:** MySQL, Amazon Redshift
  - **Statistics/ML:** Linear, Logistic Regression
  - **Libraries:** Matplotlib, seaborn, Pandas, NumPy, Sklearn, SciPy, Keras, TensorFlow
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## DECLARATION

I hereby declare that all the information contained in this resume is following facts and accurate. I take full responsibility for the correctness of the said information.

**JITHIN PRAKASH K**