CHANDRASHEKAR VASUDEVAN | +44 7721681500

chandrunitk@gmail.com | www.linkedin.com/in/chandrunitk | [ML Pipeline github](#) ; [TS Forecasting github](#)

EDUCATION

MBA	Indian Institute of Management -Ahmedabad	Aug 2008 - Jul 2010
B.Tech (Computer Science Engineering)	NIT, Suratkal	Aug 2003 - Jul 2007

WORK EXPERIENCE *covering Data Science Consulting + Business Analytics + Software Engineering*

Technical Consultant (Data & Analytics Practice) - Wipro, London   Since Jun 2022

- **Project: Forecasting Model for a major Oil & Gas producer in the UK tracking the company's carbon neutrality**
  Impact: Developed a forecasting model **(Python and Prophet) with a team of 7 analysts**. Involving **data preparation, time-series modelling and evaluation via PaaS**. Reported the insights to leaders tracking the initiative

- **Project: AI Chatbot for Customer Services for a Global Insurance Client in UK**
  Impact: Led a team of 4 Analysts and designed a **GenAI Chatbot on Azure**. Developed the **BRD, FRD** and architected the solution. Enhanced **the account relationships for the Analytics practice.**

- **Project: Data Visualization and Statistical Modeling for a UK Food and Beverage manufacturer**
  Impact: Led a team of 5 Data Scientists to drive **statistical modelling** via **Azure, DataBricks and SageMaker**.

Business Operations Manager (Data Science & BI) - Cisco, India   Nov 2015 – May 2022

- Submitted and got approved for a **U.S Patent (No.** [12003408](#)**)** for leveraging supervised classification algorithms to enhance network operations

- **Project: Automated Financial Performance Tracking for a $1bn Cisco business in the Americas region**
  Impact: Developed an automated tracking platform (**leading 2 Data Engineers**) for financial performance metrics using **Python, R, Excel, and Tableau**. This platform enabled leaders to **access business metrics on-demand.**

- **Project: Revenue Forecasting Model for the Fiscal Planning Department**
  Impact: Created and deployed a reliable forecasting model utilizing **R, Holt-Winters, Prophet, and Apache Spark**. With **demand estimation accuracy improved by 50% and reduced risks** for the internal services business.

- **Project: Launched a horizontal Data Analytics Function across Cisco Advanced Services globally**
  Impact: **Proposed and secured funding** for a horizontal **Data Analytics and Intelligence team**, leading to the establishment of a dedicated **Data Science team (5 Data Scientists)** with an **ROI > 25%**

- **Project: Unsupervised Clustering and Classification for Device identification**
  Impact: Developed a clustering + classification model **(XGBoost)** to automate the device grouping process, resulting in effort savings **(> 500 hrs)** and a **positive ROI on the investment** using post model-deployment data

- **Project: Metrics Observatory for Indian Ministry of Urban Affairs for governmental policy-making (on-site)**
  Impact: **Led a team** of 3 to build a **Metrics Observatory for the Ministry of Urban Affairs**, focusing on **AQI and urban transport**. Included **forecasting models & multivariate analysis** (**Prophet, XGBoost, Tableau and SQL**)

- **Project: Predictive Model for Churn prediction among Customer Service Contracts**
  Impact: Developed a **classification model to predict the chances of renewal for customer contracts** (**Python and XGBoost**). The model was ranked in the **top 3** in a company-wide competition with over 500 participants.

- **Project: NLP Model to achieve GDPR compliance for PII data**
  Impact: Deployed an **NLP model** to **detect and flag personally identifiable information** in incoming data, enhancing compliance with GDPR using **Python, MapReduce, Named Entity Recognition, Spacy, and RegEx.**

- **Project: Pre-emptive Maintenance of Technical Support Documents**
  Impact: The classification model used browsing data to identify the target **documents** for **pre-emptive maintenance (using Python, MapReduce, Flask, and StreamLit)**. Secured sponsorship to build a **team of 3 Data Scientists.**

Senior Associate Consultant - i3 Consulting, Dubai   **Jul 2015 - Nov 2015**

- **Project: Templatized predictive models tailored for Banks, Telecom, and Retail sectors**
  Impact: Enhanced operational efficiency of internal processes through the results of quick model building using **using R, Python, and SAP Predictive Analytics Solutions.** Achieved unprecedented growth in project acquisition, expanding our market presence in predictive analytics in the Middle East region

Senior Software Engineer & Product Expert - SAP Labs, Bangalore   **May 2011 - May 2015**

- Successfully submitted a **U.S Patent (No. 9348878) for "Automatic Outlier Detection via Iterative KNN Algorithm"** for improving outlier detection algorithm (KNN)

- **JAVA + R** engineer for the SAP Predictive Analytics for **ETA + Development + deployment pipeline of a model.** I worked on algorithms across - Regression, Decision Trees & Data prep and a formula function using **JAVACC**

Team member of Business Intelligence, IFMR – Rural Finance, Chennai   **Aug 2010 - Apr 2011**

- **Automated the BI & Reporting System** to automatically track the Operational Self-Sufficiency of 80 rural branches of IFMR (using PHP, MySQL, Apache Webserver)

Software Engineer QuickBooks Payroll - Intuit India, Bangalore   **Aug 2007 - Aug 2008**

- I undertook the **automation** of the testing framework for the user interface of QuickBooks & automated **testing** of a Web Service (**JAVA, Selenium**) and **reduced the regression cycle by more than 80% for the QA team**

PROFESSIONAL SUMMARY

I am a seasoned leader and consultant for Data and Business Analytics practices, possessing expertise in enterprise-level solutions for complex business challenges. I always demonstrate an analytics value chain to clients. I thrive in leading solutions to problem statements with stakeholders. I take great satisfaction in driving and contributing to businesses with a shared, data-driven objective, emphasizing rapid iteration towards viable solutions.

I possess a comprehensive suite of **leadership & technical skills** essential for effective business intelligence and data analytics supported by machine learning and artificial intelligence (AI):

Programming Languages: Proficient in **JAVA**, **Python and R** for data handling and machine learning applications.

Data Manipulation and Analysis: Extensive experience with **SQL, Pandas** (Python) and **Excel** (VBA) for ETL

Data Visualisation: **Tableau, matplotlib and DataBricks** and techniques to communicate insights effectively

Machine Learning & Statistics: Practical experience in **Scikit-learn, TensorFlow** in developing predictive models. I'm a co-inventor in two US patents related to improvements in existing ML algorithms and applications

Cloud Platforms: AWS (Sagemaker), Azure, MLFlow, Airflow and Streamlit

Software Engineering: Experience with JAVA + CI/CD and proficient in version control systems such as **Git**.

I moved from Bengaluru, India to Cambridge, UK in early 2022 on a dependent Visa **(Right to work Share Code: W6X GXX 48W)**. Following my tenure in a Business Intelligence and Operations Analytics leadership role with Cisco in Bengaluru, I secured a similar position with Wipro in the UK, where I lead a team of 5 data scientists serving clients across the region. After a brief hiatus, I am now actively **seeking opportunities in Analytics and AI, particularly roles that encompass both Data Analytics and Data Science components**.

In relation to this role, my experience as an **Technical Consultant specializing in AI & ML** for Wipro's UK clients, along with my role as Business Operations Manager at Cisco, will be highly relevant. My background as a Senior Software Engineer in the Predictive Data Analytics domain at SAP Labs equips me with the necessary skills to navigate the technical processes inherent to this field.

Throughout my career, I have consistently focused on **extracting actionable insights and enhancing decision-making through data science and machine learning**.

Showcasing and enabling positive ROI and statistically proving to businesses that the investment in Data Science and Analytics is going to swing the pendulum in the right direction is a priority for me.