

Vibhaas Vinay Kotwal

Analytics – AI Leader

+91-9818881702

vibhaas.kotwal@gmail.com

www.vibhaaskotwal.com

17+ Yrs. Exp. | Leadership | Machine Learning | Data Engineering | Data Mart | GCP

Seasoned Analytics Leader for E2E Data Engineering & Machine Learning, responsible for driving strategic initiatives, executing multi-million-\$ programs, delivering high business value and leading teams globally.

Core Expertise

STRATEGY

Develop strategies to solve business problems and Translate business strategy to operational objectives. Lead & Drive Business and Digital Transformation.

PRODUCT DELIVERY

Diligently Plan and effectively execute E2E Analytics projects to deliver business value. Recommend high impact Products & Solutions that influence Data driven decisions.

PEOPLE LEADERSHIP

Build a data science team by Attracting talent, Mentoring and Managing data specialists. Nurture a culture of empowered teams and groom next line of leaders.

LEADERSHIP

My leadership style is Transformational Leadership, driving factors are to have 10X Vision, Embrace Change, Simplified Communication and unleash the Potential of a team.

EXPERIENCE

Analytics Leader

Ford Motor Company - Automobile - 2021 - Present - Remote

Responsible for Delivering Analytics Data Mart, with 100+ Service & Vehicle entities, that serves as the foundation for Dashboards and Predictive models to create business value across domains.

- Developed **Portfolio Strategies** with Sr. Leadership and Stakeholders. Define OKRs
- **Built a team of 30+ Data Specialists** (Direct Reports) by Hiring and Training
- **Mentored, Led & Harnessed Talent of High performing product teams** of motivated & skilled data specialists that deliver high business value and consistently maintain performance
- Collaborated & Aligned influential business Stakeholders. Managed multiple Vendors
- Reviewed Financials and optimized constrained budget for IT and Human Resources

Data Engineering

- Delivered **Multiyear multi million** (\$5M+) Program for Data Warehouse & Data Mart in GCP
- Led GCP Migration of Legacy systems (Hadoop) and implement Cloud Native solutions
- Envisioned & Executed the **Engineering roadmap** for the Analytics data products. Supervised the execution of delivery to achieve key results. Drive Engineering & Operational Excellence.
- Actively Engaged in Solution Design, Development and establish & improve System of Delivery

Machine Learning Models

Responsible for delivering Predictive AI models at scale in GCP

- Led and managed a team of data specialists to deliver complex AI projects
- Supervised Analytics projects: Formulated Business Problems, EDA, visualized insights, optimized models with Hyperparameter Tuning and evaluated model
- Liaison for Machine learning modeling and supervised the tech team to scale up for production
- Delivered **Predictive maintenance Model** to recommend potential high-risk vehicles
- Implemented **Data Quality/Profiling Dashboard** for Real-time streaming & Batch data
- Implement Google Cloud Platform products & guide users to a swift transition to cloud

Achievements

- **Business Transformation:** Led Google Cloud Platform (GCP) Migration & implementation of Data Warehouse & Data Mart with **~50 TB of Data** resulted in user base of **500 Analytics users**
- **Digital Transformation:** Implemented a Real-time streaming solution in GCP that resulted in direct saving of **\$7M/ Annum**
- **Operational Excellence:** Led & redesigned System of Delivery that resulted in **40% faster** time to market and swift delivery
- **People Leadership:** Led Hiring & Allocation of 50+ College graduates through Budgeting, Leadership & Stakeholder Alignment

SKILLS

LEADERSHIP SKILLS

Vision: Problem-Solving, Design Thinking, Critical & Creative Thinking, Customer-centric, Change Agent

Leadership Style: 10X Vision, Inclusive, Transformational Leadership, Embrace Change, Thought Leadership

Communication: Simplify things & bring Clarity, Decision making

People Management: Team Building - Attract, Train, Mentor & Retain talent, Collaboration, Empathetic

DATA SCIENCE

Google Cloud Platform (GCP): Big Query, GCS, Vertex AI, Looker Studio

Data Engineering: Automated Data pipeline, Acquiring, transformation, Anomaly Detection

Machine Learning: Feature Engineering, Multi-model Evaluation, Hyper parameter Tuning & Optimization, Generative AI

Tech Stack: GCP, Python, SQL, Hadoop, Teradata, Alteryx

METHODOLOGY

Agile, SAFe, Kanban, Waterfall

EXPERIENCE

Product Manager – Machine Learning

Ford Motor Company - Automobile – 2020 - 2021 - 📍 Remote

Responsible to define strategy, develop ML PoC and provide consultation to analytics teams.

- Lead and manage a team of data specialists to deliver complex data science projects
- Implement Google Cloud Platform products & guide users to a swift transition to cloud
- Implemented Analytics projects: Formulated Business Problems, EDA, visualized insights, optimized models with Hyperparameter Tuning and evaluated model
- Develop Machine learning models and guide the Big-Data tech team to scale up for production
- Delivered **Customer Churn Model** to identify & retain potentially high-risk valued customers

Product Manager Analytics

Ford Motor Company - Automobile - 2018 - 2020 - 📍 Chennai, India

Responsible for Delivering Analytics products with 200+ insights on Revenue Management Dashboards and Predictive models to create business value across business domains.

- Develop **Product Line strategies** with Sr. Leadership and Stakeholders
- Envision & Prioritize the **product roadmap** for the Analytics product and drive execution of projects to achieve key results. Present analytical insights to Leadership & Stakeholders
- **Mentor & Manage a High performing product team** of motivated & skilled data Engineers Deliver high business value and consistently maintain performance
- Harness team talent and steer the direction of the team while removing roadblocks
- **Build a team of 30+ Big Data** members by hiring, onboarding, training and mentoring
- Collaborate closely with cross-functional product and business teams
- Implement Agile practices, Backlog grooming, Data-driven Retro & facilitate Demos

Lead Business Analyst

Ford Motor Company - Automobile - 2012 - 2018 - 📍 Gurgaon, India/Michigan, USA

Lead Digital Transformation of transitioning a complex Data Warehouse legacy system to a Big Data

- Responsible for Business Analysis of an Analytical Dashboard that Collects, Enhances & Standardizes the Service data at dealerships across the globe to Monitors Business Patterns
- As Scrum Master, Built a backlog and planed incremental releases, Facilitated Agile Planning, prioritization and Retrospective sessions. Led team to implement Kanban in the project
- Culture ambassador for bringing change to the organization

Business System Analyst

Sun Life Financials – Insurance - 2011 – 2012 - 📍 Gurgaon, India

Responsible for Business Analysis for IT solutions to enable the Insurance products to re-price that benefited Insurance Advisors. End to End Business Analysis and guide development/Testing team.

Business Analyst

HCL Tech (IKEA) - Retail - 2006 – 2011 - 📍 NOIDA, India / Helsingborg, Sweden

Responsible for Business Analysis for an integrated product for IKEA that benefited the entire supply chain and order processing and had an impact on 8 countries in Europe.

EDUCATION

IIM, Kozhikode Advance Data Science for Managers, Executive Management Development Program – 2020-21

IGNOU, New Delhi Post Graduate Diploma in Applied Statistics – 2018-19

University Institute of Technology, GEC RGPV, Bhopal B. Tech. – 2002-06

ABOUT ME

ARTIST IN ME

- Published Poetry Book - Sanchita
- Poetry YouTube channel
- Writer, Poet and Storyteller
- Screenplay for Short Movies & Short Plays
- Calligraphy Artist
- Vipassana Meditation Practitioner
- ISKCON – Diploma in Bhagwat Geeta
- Jamia Milia – Diploma in Urdu

LANGUAGES

- Proficient in English, Hindi, Marathi & Urdu

KEY DATA SCIENCE INITIATIVES

- **IIM Kozhikode** – Capstone Project – **Consumer behavior Prediction** Descriptive & Predictive analysis with Machine Learning solutions and Statistical analysis
- Developed and Productionized **Data Quality Dashboard** for Real-time streaming data
- Hackathon - **IIT Madras - Finalist** - Product Recommendation & Customer Segmentation based on consumer purchase pattern
- **Guest speaker at Analytics conference** – POC to Product
- **Guest speaker at Leadership talk** – Ford
- Hackathon - **NASSCOM** - Crop recommendation for Indian farmers
- Market Basket Analysis suggesting new campaigns/ products to upsell/ cross-sell
- Movie Recommendation System for Streaming services – Prototype

TRAININGS & COURSES

- GCP – Leadership Specialization & Cloud Digital Leader Certificate program
- GCP – Data Engineering & ML Specialization
- Data Camp – Track for Data Scientist in Python
- Data Camp – Track for Machine Learning Scientist in Python
- Retail Analytics

CERTIFICATIONS

CERTIFICATIONS

Certified Business Analyst Professional – IIBA
Certified with Six Sigma Yellow Belt
Certified with Retail Competency (NRFF)