

Dr VIRATKUMAR KANTILAL KOTHARI

Program Director - IT | CTO | Co-founder | AI/Quantum Computing Enthusiast

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[in ViratKKothari](#) | [Project Portfolio](#) | [ViratKothari](#) | [k ViratKothari](#)



“Exploring leadership opportunities in software development, research, cloud computing, AI/ML - Data Science and Quantum Computing. Valid USA Visa (B1/B2). Open to relocate.”

CAREER SUMMARY

I am a visionary **IT executive** with **over 19 years** of extensive experience in **software development** (desktop, web, mobile), delivery, implementation, and **infrastructure management**. I am a certified **Data Scientist** and have spent more than a decade as a **Program Director and Project Manager** in the IT industry.

My expertise includes project/people/time management, strategy development, **collaboration**, **stakeholder engagement**, communication, data security, and research & development (**R&D**). I have successfully **collaborated** with **international clients** across the UK, Australia, USA, EU, Middle East, South Africa, Israel, and India.

Led multi-technology projects and managed **large teams of up to 250 professionals** of .net, PHP, Mobile, Java, *AI & ML*, *Quantum*, and Quality Check departments emphasizing **innovation** and **leadership**.

CORE COMPETENCIES

- **Process Framework:** SDLC | Agile/SCRUM/Kanban | Waterfall | Software Engineering | Extreme Programming
- **Activities:** People/Project/Product Management | Collaborations | Funding (multi-million) | Budgeting | Infrastructure | Research | Communication | Negotiation | Metrics Tracking & Supervision | Relationship
- **Technology/Process Change Management:** Evaluation | Selection | Piloting | Implementation | Leverage
- **Domains:** *Quantum* | Healthcare | ERP | Inventory | Banking | Digital Archives | Vehicle Tracking | Software Security | Shopping | CMS | Recruitment | Hotels | Insurance | Education | Real Estate | E-Tendering | *Events*

EXPERIENCE & ACHIEVEMENTS

Sabarmati Ashram Preservation and Memorial Trust (SAPMT) – Present **Reporting to:** Director/Trustees
Designation: Program Director – IT | Dy. Director – SAPMT

- Plays a **key role** in cross-disciplinary **collaborations** with **renowned institutes**, including IITs, Governments etc.
- **Proposes** and refreshes **strategies**, RFPs, budgets, secures **funds**, and **delivers** customer-focused projects
- **Plans, directs, supervises**, and **controls** the **execution** of technical, fiscal, and administrative growth functions
- **Directs** and tracks **20+ multi-tech projects**, including **software**, **machine learning**, and **quantum computing**
- **Conceptualized, created**, and **maintains** the most extensive **digital archives**, with over **3 million digital assets**
- **Envisioned** and **accomplished 10+ projects** for **digitization**, preservation, and **conservation** of heritage

Xporium.com **Designation:** Co-founder & CTO

- **Conceptualized & launched** a pioneer truly **3D** virtual exhibition & digital **connection platform**
- Platform **selected at TNW 2017** in the Netherlands under the **bootstraps category**

Silver Touch Technologies Limited **Reports to:** Director
Designation: Project Lead, TCM & PCM Head **Roles:** Project Manager/Lead, Solution Architect

- **Played a key role** in achieving **CMMI Level 5** as the head of Process & Technology Change Management
- **Introduced** new **technologies** and successfully **delivered over 40 on/off-site projects** in .Net, SharePoint, DNN, PHP, Android/iOS/Windows Mobile in **various domains**, which delighted clients & helped achieve business goals
- **Headed** and **delivered** the world's **largest authentic web portal**, the *Gandhi Heritage Portal*, on the life and thoughts of Mahatma Gandhi, currently **hosting over 2.7 million digital assets**
- **Led the development** of a complex, multi-domain/language, cloud-based **ERP system**, *eTurns*, for a **U.S. client**
- **Led the development** of a **highly available** and **scalable web portal** for cross-disciplinary stakeholders with **cutting-edge security** such as *Ministry of External Affairs, India, Bardo, London Pilsner*, and CMSs

Digicorp Information Systems Private Limited **Reports to:** Director
Designation: Project Manager **Roles:** Project Manager, Solution Architect

- **Led multi-domain projects/products**, including Healthcare, Inventory, e-Tendering, Recruitment, and CMSs
- **Achieved on-time delivery & efficient resource utilization**; resulting in highly satisfied stakeholders

Nutec InfoTech Private Limited

Reports to: Director/Manager

Designation: Programmer

Roles: Project Lead, Sr. Programmer

- **Envisioned and created** a multi-layered software architecture for an **ERP Product** using **MS technologies**
- Mentored developers, enhancing architecture understanding and performance metrics. Implemented developer documentation process

COMMUNITY ENGAGEMENTS & AFFILIATIONS

- **Mentor** at *QEducation* and *QIntern2021* - QML using Qiskit, Cirq, and Pennylane *QWorld* | 2021
- Member of Technical Panel *L. D. Institute of Indology & CEE* | 2017 – Present
- Visiting *Associate Professor* (Big Data & Digital Tech) *CEPT University* | 2012-19
- Visiting *Associate Professor* (Digital Media) *LJ University* | 2016-18

EXPERIENCE HISTORY

1. *Sabarmati Ashram Preservation & Memorial Trust*, Ahmedabad, Gujarat, India May 2013 – Present
2. *Xporium.com*, Ahmedabad, Gujarat, India Dec 2016 – Present
3. *Silver Touch Technologies Limited*, Ahmedabad, Gujarat, India Aug 2010 – May 2013
4. *Digicorp Information Systems Private Limited*, Ahmedabad, Gujarat, India May 2008 – Jul 2010
5. *Nutec InfoTech Private Limited*, Ahmedabad, Gujarat, India Jul 2007 – May 2008
6. *Anant Softech Private Limited*, Ahmedabad, Gujarat, India | Soft. Developer Feb 2007 – Jun 2007
7. *Living Paper Pvt. Ltd.*, Ahmedabad, Gujarat, India | Soft. Developer Sep 2004 – Oct 2006
8. *New Civil Hospital– Govt of Gujarat*, Gujarat, India | ECG Tech | Soft. Developer Jan 2001 – 2004

EDUCATION

1. **Ph.D.** – Computer Science *Kadi Sarva Vishwavidyalaya* | 2023
2. **Certification** – Data Science & Artificial Intelligence *E&ICT Academy, IIT Roorkee* | 2021
3. **MBA** – Information Technology *Sikkim Manipal University* | 2010
4. **M.Sc.** – Information Technology *Karnataka State Open University* | 2004

CERTIFICATION & TRAINING

Management (2)

- Project Management Professional (PMP) & MS Project 2010 training *SABCONS* | 2012-13

Quantum Computing (11)

- Introduction to Quantum Computing & Global Summer School – QML *IBM & The Coding School* | 2020-21
- IBM Quantum Challenges – Fall 2020 | 2021 | Africa 2021 | Fall 2021 | Spring 2022 *IBM* | 2020-21
- Quantum Computing Workshops – *QBronze* | *QNickel* | *QSilver* *QWorld* | 2020-21
- Programming a Quantum Computer with Qiskit *Coursera* | 2020

Artificial Intelligence (2) & Cloud Computing (2)

- Introduction to Machine Learning *Duke University & Coursera* | 2021
- Certification in Artificial Intelligence *Tech Mahindra* | 2020
- *AZ-900* | *SC-900* *Microsoft* | 2021

PUBLICATION

1. *Automated image classification for heritage photographs using transfer learning of CNN in AI* *TURCOMAT* | 2021
2. *Comparative study of performance analysis of query performed on RDBMS and SOLR on digital data* *TEST* | 2020

TECHNICAL PROFICIENCY

PM & Collaboration: JIRA | BaseCamp | OnTime | Slack | Asana | Confluence | Prezi | MS Project | Visio | Zoho

AI & ML / Quantum Computing: TensorFlow | Keras | NLP | Computer Vision | spaCy | Scikit-Learn | QML | Qiskit

Cloud & Development: Azure | AWS | GCP | Jupyter Notebook | GIT | SVN | Azure | V. Studio/Code | Colab

Languages & Tools: Python | C#/VB/ASP.net | C++ | SQL | Web | Win Forms | Tableau