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# Profile Details

## Himanshu Vaidya

— Seeking Technical / Technical Leadership Roles in large MNCs —

# Himanshu Vaidya - Multidisciplinary R&D Experience



- **Experience in multidisciplinary research and product development :**
  - Delivered on a spectrum of products, frameworks and platforms in the Mathematical Modeling, Machine Learning and AI space
  - Spanning across Technologies like Edge Computing, Mesh Computing, IIoT, Distributed Intelligence, Edge AI, AI frameworks, Engineering Analytics and Real time Data Acquisition and Advanced Analytics systems for Space Research, Laboratory Automation, Informatics and Robotics systems
  - Post BCS, Pursued Masters in Space Sciences with specialization in Astronomy and Astrophysics from Department of Space Sciences University of Pune, followed by PG Diploma from CDAC in Advanced Computing
- **Worked in a spectrum of business domains :**
  - Aerospace and Defense, Data and Code Analytics, Automotive, Energy and Utilities, Oil and Gas, Mining, ERP, Manufacturing and Engineering Services, and Astrophysics and Space Sciences Research and Technology.
  - Includes experience of working in Global RnD divisions of Fortune 100 MNCs like:
    - The Dow Chemical Company, and
    - clientele like Schneider, Schlumberger, Rio Tinto, Sandvik, EADS Cassidian (European Aeronautics Defense and Space Administration), E&Y (Ernt and Young), etc.
- **Career Aspirations and Interests:**
  - Interested in Senior Technical or Technical Leadership position in your esteemed organization. I'm open for roles like Chief Architect for Data, AI, Distributed Systems development or relevant OR
  - Distinguished Engineer for Technical Service Verticals involving combination of expertise in Business Strategy, Technology, Domain Knowledge and Leadership.

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# IT Services MNC Experience (Persistence Systems, Capgemini and Globant)



- **Worked in Capgemini Product and Engineering Services Organization as a Senior Principal Architect:**
  - Have lead Engineering Analytics and Edge Analytics horizontal technology practices
  - Worked on 2 IPs:
    - Key Innovator and Chief Architect of PredictEAP Engineering Analytics platform spanning applications across various Manufacturing and Engineering Verticals, AND
    - Lead IIoT engagement with Schneider R&D projects. Took over the role of Associate Director for multiple engagements in order to lead R&D projects and Technology practices emerged out of Analytics Center of Excellence in Pune.
- **Current Role: Senior Director of Technology and Chief Architect for Product Partnership Engagements**
  - Studio Leader - India Head for Big Data and AI Studios (Technology focused Distributed Centers of Excellence)
  - Heading Big Data and AI CoE as a regional head especially for India locations (including Pune, Bengaluru, and UK and Minsk Belarus teams of Data Scientists as well).
  - Team sizes handled and mentored: starting from 3 people teams to to 70 in single location and close to 100 across different geographies mentioned above
  - Promoting and Managing locally 10 different horizontal Technology Studio practices
  - People Management, Brand Building for Big Data and AI in India and specifically in Pune (conducted, hosted several technical conferences, Meetup events, participated as speaker and in panel discussions within & outside Globant), Technology Management, Client Relationship Management, Technical Delivery across multiple product partnership engagements, Product Management, Innovation, Talent Building

# Product Development and Solution Engineering Experience



- Architected and Designed spectrum of products, frameworks, platforms and solutions in the Data Analytics and Software Engineering space using Mathematical Modeling, Machine Learning and AI tools and multiple software languages, cloud computing platforms and open source frameworks
- Libraries, Languages tools and frameworks in which I have worked on Product, Solution and Application Development:
  - C, C++, Java, C#, [VB.NET](#), [ASP.NET](#), WPF, WCF, Python, Perl, Scala, DSLs, PMML, PFA, Clojure.
  - Kafka, IMDG, Redis, Spark, TensorFlow, Keras, docker, kubernetes, OpenFaaS, etc.
- Links of International R&D projects I have lead and developed tool chains and generated IP assets:
  - <http://kmu-devise.de/index.php/en/partner/23-acellere-gmbh>
  - <http://qualicore.fzi.de/index.php/partner>
- Presented a Research paper titled 'Integrated Solution Development using Modelling and Simulation - An Industrial Approach' at National Conference on Modelling and Simulation 2009 conducted by Defense Institute of Advanced Technology (DIAT - DU), Pune, India, an Institute of DRDO, India and attended the conference as an Industrial participant
- Developed, Designed and Deployed software on 2 International Telescopes:
  - The Giant Meterwave Radio Telescope (GMRT) of NCRA, TIFR, India
  - The Ooty Radio Telescope (ORT) of Radio Astronomy Center, Ooty, TIFR, India
- Developed software and handled Robotics Infrastructure for The Dow Chemical Company's Global R&D division at Midland, MI, USA and worked hands on on High Throughput Research Informatics & Robotics
- Visited Schlumberger's Beijing Geoscience Laboratory and mentored a team of 200+ software engineerings of SLB on Software Architecture and Design, analyzed multiple products of SLB

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# Conference Links and Meetup Events



1. PDC 2019: Sponsored the conference by Big Data and AI Studios of Globant and participated in as a key speaker:
  - Topic: Open Standards for Big Data and Artificial Intelligence
  - <https://youtu.be/w9PVIwpZIxY>
2. Was invited as a speaker for Pune Machine Learning and Deep Learning Day:
  - Topic: Hands on Introduction to Quantum Machine Learning
  - <https://1point21gws.com/machinelearning/pune/#close>
3. Participated in Panel Discussion for Development Week in Globant India on Evolution of Software Architecture
4. Meetup Events hosted at Globant and Sponsored by Big Data and AI Studios of Globant:
  - PyData Meetup: Excursion to Neural Networks
  - SOAI first meetup: Data Science for Structured and Unstructured Data. Delivered Keynote speech.
5. Attended 2 months of R&D BootCamp on multiple topics including application development for High Throughput Research Informatics and Robotics at Global R&D Head Quarter of TDCC, at Midland.MI, USA.
6. Mentored Software Engineers of Schlumberger's Beijing Geoscience Laboratory for improving product quality using refactoring of their legacy code bases of multiple products
7. Attended practical experimental sessions in National Institutions of India like IUCAA, NCRA, IIG, RAC, IITM, IMD, for collecting and analyzing scientific data
8. Analyzed data from a spectrum of sources including laboratory instruments in Chemistry and Material Science, ERP Data, Social Media Datasets, Real-time feeds, etc.
9. Hosted and effectively managed client communication and relationships for Fortune 100 MNC clientele
10. Enrollment for Ph.D. in Artificial Intelligence, applied to Observational Astronomy & Astrophysics is in progress.

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# Thank You

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