



GANESH VENKATESHWARA

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I am an independent consultant and researcher. I also help build and validate software systems that can scale. I have over 15 years of experience in software development with specialization in scientific computing and have helped co-found OneGreenDiary Pvt. Ltd., Scientific Interactive LLP and Scialgo Solutions LLP in the past.

WORK EXPERIENCE

MAR 2023-
CURRENT

PHONENIX ITC SOLUTIONS PTY LTD, CONSULTANT

Helping build defense related logistics and demand planning system.

FEB 2022-
DEC 2022

CLOUDERA DATA PLATFORM, CONSULTANT

Lead contributor for opensource tools and adapters (DBT) for modern data stack on Cloudera data warehouses.

AUG 2015-
AUG 2023

ONEGREENDIARY PVT LTD., CO-FOUNDER, CONSULTANT

Co-founded the company, where I lead development of cloud-based POS and ERP system from ground up for small and multi-chain outlets.

JAN 2022-
JUN 2022

SCIALGO SOLUTIONS LLP, CO-FOUNDER, CONSULTANT

Helped develop regulatory compliant in-silico toxicity prediction models for drug and impurities using ML methods.

DEC 2020-
CURRENT

SCIENTIFIC INTERACTIVE LLP, CO-FOUNDER

Co-founded the company, which provides scientific software development services. Have worked with Technion to develop Aroma package for analyzing aromaticity of molecules.

AUG 2010-
DEC 2021

NOVALEAD AND VLIFESCIENCES, SOFTWARE ARCHITECT

Helped develop multiple tools for drug discovery, primary contributor to VLifeMDS. Also build Woundly – an end-to-end, mobile first, ML powered, regularity compliant, automatic wound documentation platform.

NOV 2008-
JUN 2010

AUSTRALIAN NATIONAL UNIVERSITY, RESEARCH STAFF

Primary work involved evaluation of a new high performance programming language, X10, being developed by IBM, with specific focus on exploring programmability and performance of computational kernels.

EDUCATION

AUG 2008

PHD (SCIENTIFIC COMPUTING), PUNE UNIVERSITY

Thesis title: “*Ab initio Treatment of Large Molecules: Algorithm Development, Parallelization and Applications*”

AUG 2002

MCS (SCIENTIFIC COMPUTING), PUNE UNIVERSITY

Thesis title: “*Estimating properties of large molecules in a computationally effective manner*”

SKILLS

- Strong software development experience in different paradigms
- Experience in building end-to-end ML based application, not just data modeling.
- Ability to collaborate in a multi-disciplinary team

PUBLICATIONS

Google Scholar Profile:

<https://scholar.google.co.in/citations?user=ZSoBDbkAAAA&hl=en>

Recent Conference:

“Woundly: a digital wound monitoring tool” at PGIMER, India and Manchester Metropolitan University, UK - International Collaborative Diabetic Foot Conference, PGIMER Chandigarh, 8-9 February (2020).

PROFESSIONAL ASSOCIATION

- ACM Professional member since 2011
- NCSSS Associate member
- Conference reviewer NDT 2009, IPDS-PDSEC 2013