

# NARASIMHAN N. KANNAN

ENSCHDEDE, NETHERLANDS

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## INTERESTS

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I am interested broadly in the field of quantum theory. Coming from a mathematical background my experience and career focuses on information and operational aspects with applications in engineering and simulations. Apart from quantum things I am interested in philosophy of science, future of technology, and economics.

## EMPLOYMENT

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### Quix Quantum BV

*Quantum Computing Architect*

Feb. 2023 - present

*Enschede, Netherlands*

- R&D work on near term device for quantum computing and applications.
- Writing simulation software for quantum optical computing.

### Quix Quantum BV

*Quantum Software Engineer*

Feb. 2022 - Feb. 2023

*Enschede, Netherlands*

- R&D work on linear optical meshes, boson sampling.
- Writing and maintaining scientific software.
- Research in Quantum computing based on photonics.
- Supervision of master students.

### CAPE GROEP

*Data Scientist*

Jan. 2020 - Jan. 2022

*Enschede, Netherlands*

- Building machine learning algorithms for product improvement.
- Time series forecasting for anomaly detection.
- Prediction models for logistic problems.

### University of Twente

*Teaching Assistant for Complex Analysis*

Feb. 2019 - July. 2019

*Enschede, Netherlands*

- Supervised bachelor level students in tutorials.
- Evaluated and graded weekly homework.

### Centrum Wiskunde & Informatica, QuSoft

*Trainee*

Sept. 2018 - Dec. 2018

*Amsterdam, Netherlands*

- I studied Quantum information theory focusing on entropy. : "Quantum Information and Entropy".
- Gained experience in working in a research environment and in producing scientific documents.

## EDUCATION

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### UNIVERSITY OF TWENTE

**Master of Science**, Applied Mathematics

Sept. 2017 - Oct. 2019

*Enschede, Netherlands*

Focus: I followed the applied analysis track, taking courses in pure and applied topics.

*Master Thesis: "An inverse scattering problem to reconstruct 3D refractive index distributions"*

### Ramanujan School of Mathematical Sciences, Pondicherry University

**Bachelor of Science**, Computer Science (on scholarship)

July 2013 - July 2017

*Pondicherry, India*

Focus: This study was complemented with courses in mathematics and statistics, with an aim to continue research in mathematical sciences.

TECHNICAL STRENGTHS

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Programming Languages	Python, C, C++, MATLAB, Java
Programming Libraries	PyTorch, numpy
Oral & Written Languages	Tamil, English, Hindi

EXTRA CURRICULAR ACTIVITIES

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- Indoor bouldering and climbing.
- I play the guitar. Broad musical interest in blues-rock, progressive music.
- Digital and media art.
- Running, hiking and any kind of outdoor activity.