# Srivas Chennu

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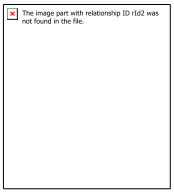


## Profile

I specialise in translating the latest machine learning and statistical inference methods into scalable real-world applications in industry and academia. I have 14+ years of R&D experience, and a background in computer science. My research has been featured by the BBC, Wired Magazine, New Scientist and Discovery Channel. I have worked as a consultant and as a software engineer.

## Employment

*Senior Machine Learning Scientist* **Apple, UK** 2019-present

Developed large-scale deep learning and gradient boosting models for behavioural prediction
Designed and deployed adaptive reinforcement learning based on probabilistic statistical inference

*Assistant Professor* **University of Kent, UK** 2016-2019

Led health care AI project to predict biomarkers of consciousness from time series data

*Senior Research Associate* **University of Cambridge, UK** 2010-2016

Developed statistical, ML and time series models for healthcare technology applications in neurology

*Visiting Researcher* **The Alan Turing Institute, UK** 2018

*Member of Technical Staff* **Oracle Corporation, India** 2002-2004

- Software engineer in the *Oracle Reports* team, a part of Oracle's *Internet Application Server* platform

## Research

- Co-author of 50+ peer-reviewed publications in academic journals; h-index of 26 (as of 2022)
- On deep learning, reinforcement learning, computational neuroscience and Bayesian inference

## Consulting

**DataTiger (Marketing optimisation startup acquired by Apple)** 2018

- Applied ensemble machine learning for forecasting dynamics of customer behaviour

**Rsrchxchange (FinTech startup)** 2017

- Built neural network-based NLP model for content similarity analysis of financial research reports
- Developed latent factor models with Apache Spark to build financial research recommender models

## Education

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|---|---|---|
| **PhD in Computer Science** | University of Kent, Canterbury, UK | 2006-2009 |
| **MSc in Information and Communication Systems** | Hamburg University of Technology<br>Hamburg, Germany | 2004-2006 |
| **BEng in Computer Science and Engineering** | Visveswaraiah Technological University<br>Bangalore, India | 1998-2002 |

## Skills

- Big Data Modelling, Machine Learning
- Parametric, Non-parametric and Bayesian Statistics
- Data Science and Visualisation
- Signal Processing and Time Series Analysis
- Graph Theory and Network Analysis
- **Tools**: *tensorflow*, *pytorch*, *scipy*, *pandas, pyspark*
- Deep Neural Networks
- Applied Artificial Intelligence
- Research Methods in Neuroscience
- Computer Networking and Security
- Operating Systems
- **Languages**: Python, JAVA, C++, C