Srivas Chennu

srivaschennu.github.io
+44 7828 90 66 92
srivas@gmail.com

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 ML 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

Academic Achievements

- 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 system for content similarity analysis of financial research reports
- Developed latent factor models with Apache Spark to power customisation of user experience

Education

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

Research and Technical 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