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 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)
Research career spanning academia (University of Cambridge, Kent) and industry (Apple)

Consulting

DataTiger (Acquired by Apple in 2018)	2018

• Applied ensemble machine learning for predicting customer behaviour

Rsrchxchange	2017

• Developed latent factor models with Apache Spark to power customisation of user experience
• Built neural network-based natural language processor with Spacy for content similarity analysis

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*, *pyro*, *scipy*, *pandas*

• Deep Neural Networks
• Applied Artificial Intelligence
• Research Methods in Neuroscience
• Computer Networking and Security
• Operating Systems
• **Languages**: Python, JAVA, C++, C