

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

<i>Senior Machine Learning Scientist</i>	Apple, UK	2019-present
Developed large-scale deep learning and gradient boosting models for behavioural prediction		
Designed and deployed adaptive reinforcement learning, improving user engagement and revenue		
<i>Assistant Professor</i>	University of Kent, UK	2016-2019
Led health care AI project to predict biomarkers of consciousness using time series analysis		
<i>Visiting Researcher</i>	The Alan Turing Institute, UK	2018
<i>Senior Research Associate</i>	University of Cambridge, UK	2010-2016
Developed statistical, ML and time series models for healthcare technology applications in neurology		
<i>Research Assistant</i>	Technical University of Hamburg	2005
Developed convex optimisation and linear programming solutions for industrial applications		
<i>Member of Technical Staff</i>	Oracle Corporation, India	2002-2004
• Software engineer in the <i>Oracle Reports</i> team, a part of Oracle's <i>Internet Application Server</i> platform		

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	

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

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	Visveswararajah Technological University Bangalore, India	1998-2002

Skills

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