

How to Strengthen the Model Development Lifecycle

Speaker Bios

Moderator

Min Wu, Senior Manager, Risk & Compliance Analytics, **Protiviti New York**

In Protiviti's Risk & Compliance Analytics Team, Min specialties in credit risk, market risk and machine learning model risk management. Min has multi-year experience in machine learning model development and validation in the areas of credit and fraud analytics. Min holds a Ph.D. in Mathematics from the University of Washington. He is also a CFA charter holder.

Aditya Anne, Director of Data Science, **CIBC**

Aditya Anne is the Director of Data Science in the Advanced Analytics and Artificial Intelligence team at CIBC. He leads the AI Governance program with a focus on governing the development and use of Trustworthy AI solutions at the bank. Before joining the bank in 2020, Aditya served in the Royal Canadian Air Force as an Aerospace Engineer.

Baiju Devani, Head of Machine Learning and Advanced Analytics, Enterprise Data & Analytics, **TD and Layer6**

Baiju has led data science, product, and engineering teams to bring data-driven decision making to a range of industries from capital markets to insurance. He is a seasoned executive and entrepreneur with over two decades of experience working with startups, scaleups and large enterprises. As head of Machine Learning and Advanced Analytics at TD Group, Baiju is responsible for at-scale development and deployment of machine learning algorithms across multiple lines of businesses.

Prior to TD, as SVP of Data Science at Aviva, Baiju built a 120+ strong team of actuaries, product managers, data scientists and engineers and led Aviva's \$100M+ digital and data transformation which resulted in over 160 AI/ML models in production with real-time deployment capabilities. This created end-to-end enterprise value from optimizing customer acquisition costs, product pricing and efficient claims adjudication in a \$5B+ business. Baiju was also at OANDA, a FinTech startup that disrupted retail foreign exchange market where he led data science and business growth and was part of a team that scaled the organization from a startup to a 400+ employee global business.

Baiju is a computer scientist by training and completed his undergraduate and graduate degrees at Queen's University.

Tolga Kurt, PhD, Managing Partner, **H3M**

DR TOLGA KURT received his PhD degree in electrical engineering from the University of Ottawa, Canada, in 2006. Following his PhD, he was responsible for the 4G product line within Ericsson Canada. Between 2009 and 2018, he managed his first Startup PlusOneMinusOne working in operational

optimization for banks. He is currently the Managing Partner of AI-based compliance solutions company H3M Analytics, headquartered in Montréal, Canada. H3M has been selected as one of the 100 FinTechs to watch in 2022 by CapGemini and EFMA. Dr. Kurt has published more than 5 patents, 10 journal articles, and 30 international conference papers. Due to his work in big data analytics, he has been selected to MIT Technology Review 35 under 35 list in 2014 and selected as the Young Entrepreneur of the Year in 2013.

Ade Oridate, Director, Risk Modeling and Analytics at **BMO**

Ade is an ML and credit expert, with extensive experience in building state-of-the-art ML solutions in the financial services industry. He has led numerous transformation initiatives in the banking sector using ML (as well as traditional modelling approaches), BigData and Cloud capabilities at top Canadian and US banks.

Currently, as a Director of Model Risk at BMO Enterprise Risk & Portfolio Management group, Ade is leading end-to-end transformation of the model and analytics lifecycle across processes, data/technology and talent. This program is expected to yield substantial operational efficiencies and boldly transform the way BMO builds and delivers both strategic and regulatory risk models.

Previously, while at TD Bank, Ade led the Risk Model Development Innovation team with a mandate to explore machine learning / modern data science and other innovative techniques in risk and capital modeling by leveraging TD's "Big Data" platform. His team developed the first suite of machine learning model in the consumer credit risk space in the bank ever to be signed off by Model Validation and deployed to production – producing potential annual credit loss savings of \$15 to 20mm for the bank.

While working at leading global consulting firms like Deloitte and Accenture, Ade also provided advisory and consulting services in these areas of expertise – covering model development, model validation and model risk management.

Ade has a Bachelor's degree in Mathematics & Statistics as well as a Master's degree in Econometrics from Carleton University, Ottawa, Canada

Karthik Ramakrishnan, Co-founder and CEO for Armilla AI

Karthik Ramakrishnan is the Co-Founder and Chief Business Officer of Armilla AI, a company helping institutions systematically validate their algorithmic decision-making with innovative technology. Previously, Karthik served as an executive at Element AI leading the AI Industry Solutions and Strategy teams. He has worked extensively with F500 companies, across Banking, Insurance, Manufacturing, and Retail sectors, in identifying opportunities for AI and deployed AI products across these sectors. Karthik led the collaboration between Element AI and the Monetary Authority of Singapore in the development of the FEAT Principles and the Fairness metrics for Responsible AI in Financial Services. He authored "The AI Maturity Framework" one of the leading papers on operationalising and scaling AI within enterprises.

Karthik Ramakrishnan is the Co-Founder and Chief Business Officer of Armilla AI, a company helping institutions systematically validate their algorithmic decision-making with innovative technology. Previously, Karthik served as an executive at Element AI leading the AI Industry Solutions and Strategy teams. He has worked extensively with F500 companies, across Banking, Insurance, Manufacturing, and

Retail sectors, in identifying opportunities for AI and deployed AI products across these sectors. Karthik led the collaboration between Element AI and the Monetary Authority of Singapore in the development of the FEAT Principles and the Fairness metrics for Responsible AI in Financial Services. He authored “The AI Maturity Framework” one of the leading papers on operationalising and scaling AI within enterprises.

Karthik previously founded Blutrumpet and Gallop Labs, both acquired, and serves as advisor for multiple start-ups. Karthik was a Senior Manager at Deloitte and developing their analytics practise. He also served as Director of Product Innovation at Xtreme Lab and GM of Product Development at Hatch Labs in New York. Karthik holds a Master's Degree from the University of Waterloo in Electrical and Computer Engineering and an MBA from Ivey Business School, Canada.