Padmanaba Srinivasan
padmanabasrinivasan.github.io
padmanaba.srinivasan16@imperial.ac.uk
Citizenship : British

Education

Imperial College London
Doctor of Philosophy (PhD) in Computer Science, Machine Learning 2020 - 2025
Thesis: *Offline Reinforcement Learning: In Pursuit of Perfect Policies from Imperfect Data*
Advisor: William J. Knottenbelt

Imperial College London
Master of Engineering (MEng); Electronic and Information Engineering; First-class Honours 2016 - 2020

Experience

Meta London, United Kingdom
▷ **Research Scientist** 2025 - Present
- **ML Research**
  Applied ML Research.

Infosys London, United Kingdom
▷ **Researcher (Intern)** 2021
- **ML for Tennis**
  Computer vision, imitation learning and reinforcement learning.

Credit Suisse London, United Kingdom
▷ **Software Engineer (Intern)** 2019
- **NLP & Chatbots**
  Assistants for users and traders.

GCHQ Cheltenham, United Kingdom
▷ **Software Engineer (Intern)** 2018
- **Secure Communications**
  Platform development

Publications

Behavior Preference Regression for Offline Reinforcement Learning
AAAI 2025.

Offline Model-Based Reinforcement Learning with Anti-Exploration
50th Annual European Conference on Artifical Intelligence. 2024.

Offline Reinforcement Learning with Behavioral Supervisor Tuning
Proceedings of the Thirty-Third International Joint Conference on Artificial Intelligence. 2024.

SpOiLer: Offline Reinforcement Learning using Scaled Penalties
6th Annual Learning for Dynamics & Control Conference. 2024.

Thinking the GOAT: Imitating Tennis Styles
17th Annual MIT Sloan Sports Analytics Conference. 2023. `Research Paper Competition Finalist.`

The Path to GOAT-ness: Classifying Tennis Strokes
MathSport International Conference. 2022.

Awards

The Data Open, Europe Regional Datathon 2020, by Citadel and Correlation One
First place prize of $20 000. Developed new methodology to identify gentrifying areas.

Machine Learning for the Analysis and Prediction of Film Performance
Master's thesis: awarded Distinguished Project (Dept. of Computing, Imperial College London). Worked with FilmChain to predict predict film performance.